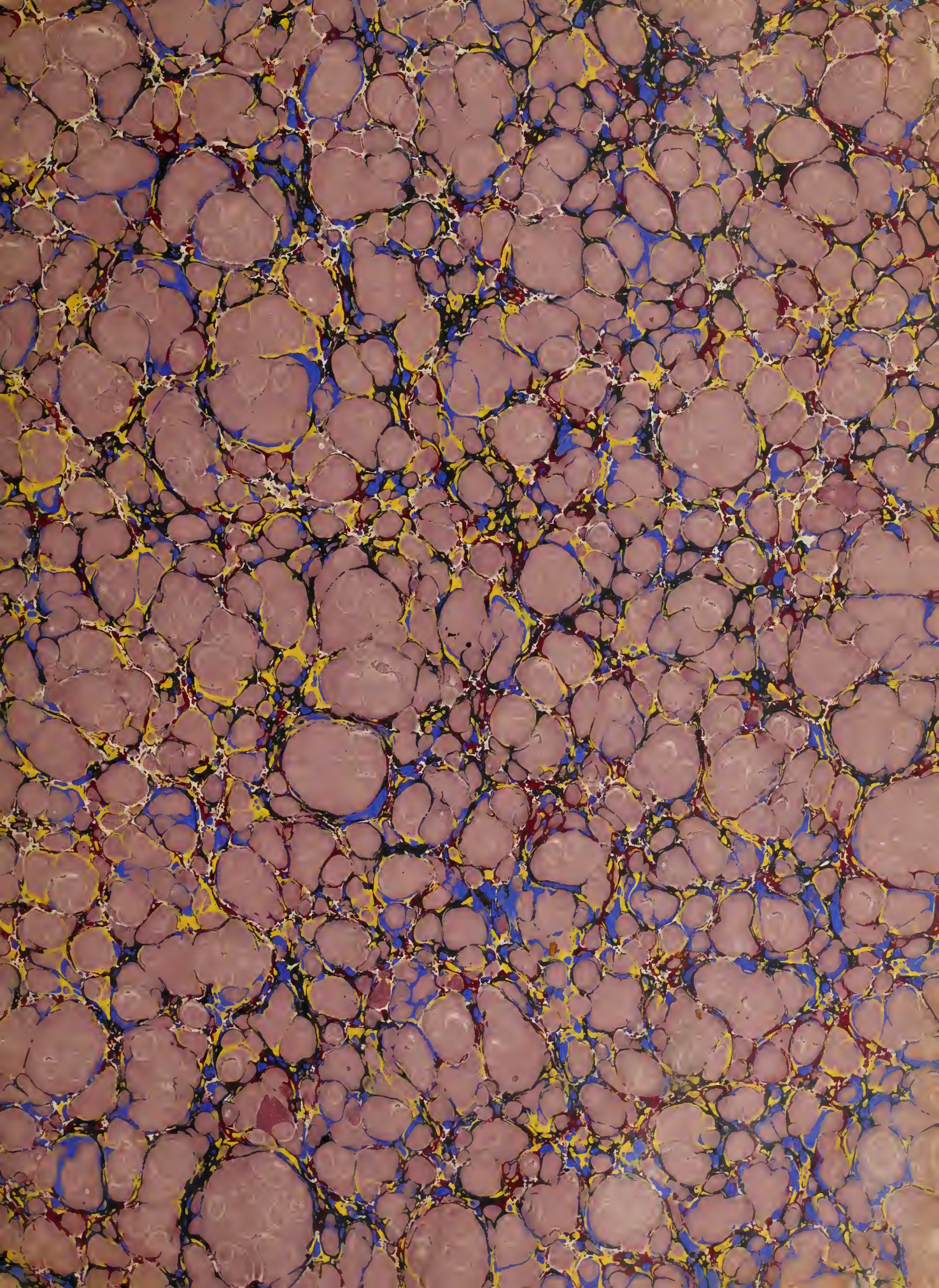
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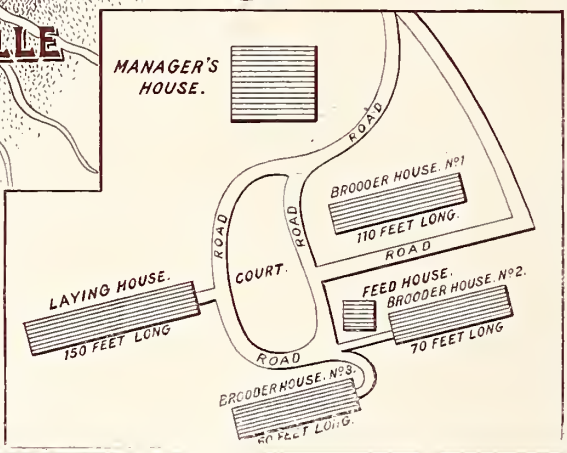


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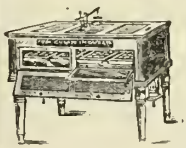
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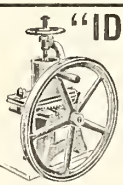
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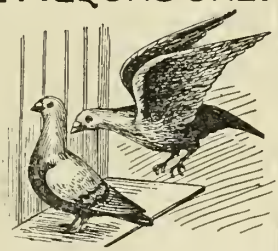
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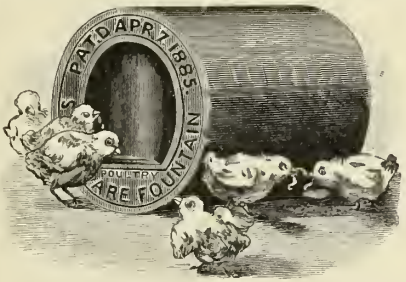
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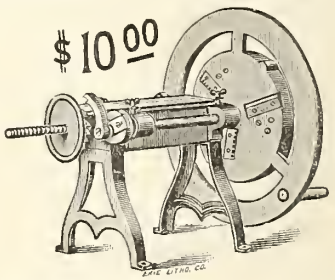
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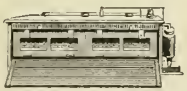
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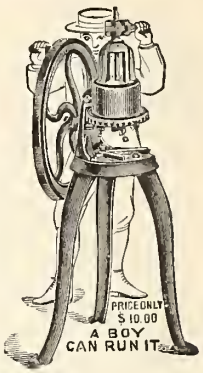


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BARRED PLYMOUTH ROCKS...

Are not World Beaters, But---

Eighteen years of experience has taught me that there is something to learn if you would raise fine specimens of Barred Plymouth Rocks. . . . . .

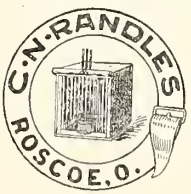
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I make no brags; my stock has got to do its own. I sell none but my own stock. .

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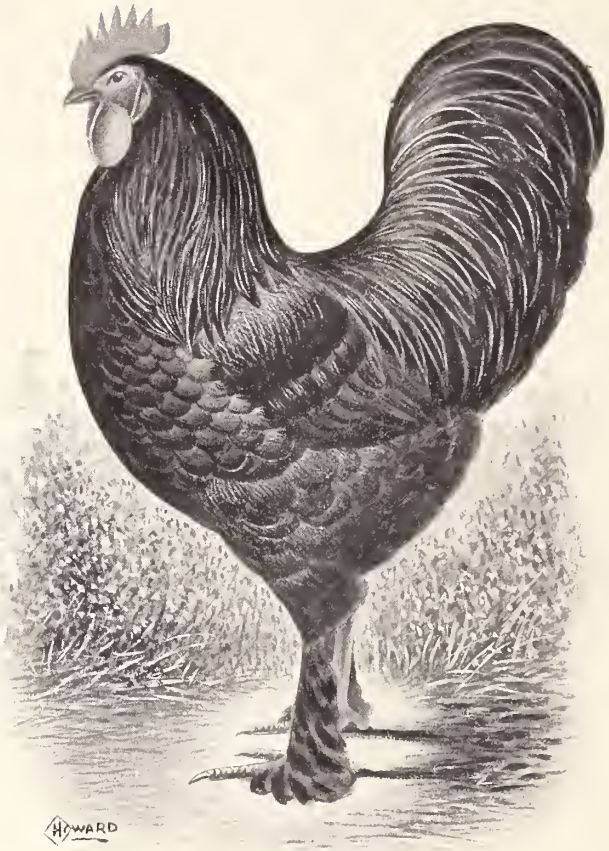
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IDEAL BLACK LANGSHAN MALE.

THE FEATHER
A NATIONAL JOURNAL DEVOTED TO POULTRY·PIGEONS ·BIRDS· ETC.

VOL. II. NO. 1. WASHINGTON, D. C., OCTOBER, 1896. FIVE CENTS.

THE LANGSHAN SERIES.

A Complete and Authentic Treatise of These Most Popular and Profitable Fowls.

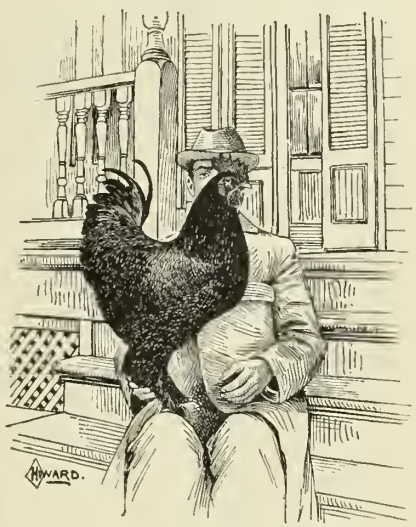
The Langshan.

BY J. W. WALE.

THE pure Langshan fowl to-day stands pre-eminent in the Asiatic Class, and in the rural districts it must be admitted that it stands at the top for general utility. The non-sitting breeds may lay more eggs at one season of the year, but they do so when eggs are cheap. I believe there is no fowl in existence that will lay as many eggs on the farm in Winter as the Langshan. For five years in succession I bred and raised Plymouth Rocks, Wyandots, Brahmas, Cochins and Leghorns; let them stay together all the time except the breeding season, and in every instance in cold Winter weather, the Langshans were filling the egg basket, while the others were laying but little, and I think I am safe in saying, that I got more eggs from two dozen Langshans than from an equal number of each kind of all the others together.

I have a friend who has been raising Light Brahmas several years, and has taken some of the biggest premiums in the biggest shows in the country; he told me not long since that he used to think no bird in the world laid as well in Winter as the Light Brahmas. He commenced breeding Langshans three years ago, and he says now that his Langshans are much better Winter layers than his Brahmas. He also said he did not believe there was a bird in the world as good a Winter layer as a Langshan. We breed birds for beauty as well as utility, and all good breeders (even Uncle Isaac, who has always maintained that the market value of birds is the first consideration), when they find a bird that is extra fine in shape and color, whether large or medium size, they go for it and ask no questions about its laying qualities, or how many pounds and ounces it weighs.

There is no finer styled bird than a Langshan of medium size. As a general thing large, overgrown birds of any breed are not profitable either as breeders, sitters, mothers or table fowls, and in Langshans the large, over-grown males are apt to be knock-kneed, weak-jointed, ungainly and an eye-sore to visitors. I have had cooked Plymouth



BLACK LANGSHAN COCKEREL.
Owned by Wm. H. Rhees.

Rocks with Langshans, Wyandots with Langshans, Brahmas with Langhans, Leghorns with Langshans, Cochins with Langshans; placed them on the table side by side and let others judge of the



BLACK LANGSHAN COCK, "O. K. BILLY."
Owned by Wm. M. Hughes.

quality for eating, and in every instance it was acknowledged that the Langshans were superior to the others. The breast of a Langshan is deeper than most other breeds.

They are natives of a cold country. They do not stuff full of fat as some do, which makes them good layers. They have more meat and less bone according to size than most breeds. It seems to me that some men write to please everybody in the poultry business, when they say there is no such thing as the best fowl. We all know that a Barred Plymouth Rock will sell alive in market to the general public better than any other, except where people know the difference in the quality for eating. The people have a prejudice against dark-colored fowls. A man who buys, and butchers and ships a great many fowls from our town told me not long since that the Langshans were the nicest fowls to dress he could get hold of, and I know that when the feathers are grown there is no fowl easier to clean than a Langshan. Any chicken that has pin feathers is hard to pick, and we eat the feathers on light-feathered fowls and pick them off of black-feathered birds. There is no better sitter and mother than a Langshan. There is no more hardy fowl than the Langshan. The chicks are hardy, grow rapidly, and are fine for broilers.

In traveling through the country one sees Langshans with short legs, long legs, scant leg and toe feathers, very heavy leg and toe feathers, short bodied and long bodied, close feathered and loose feathered, with fine style and with no style. Now, what is the true shape and color of Langshans? One man wants one type and one another type. I think we should find out the true shape and color of Langshans on their native heath, and breed in that line. I have a Langshan cock whose sire and dam are said to have come from China. He is not a loose feathered bird. History tells us that the Langshan was formerly a wild fowl, and we know that they are hardy, active, fine boned and fine styled, pugnacious and rather leggy, all of which does not denote very loose feathering. My old bird is medium in size, very active and fine styled, small head, broad skull, fair comb, long neck and long hackle, short back, full breast, very full tail, small bones, shanks rather long and thinly feathered, toes long and slender. His skin and feet are pinkish-white, instead of deep reddish-pink, like some I have seen.

Now, when we compare all the Asiatic, American, and Mediterranean Classes, we find that the Langshan combines more good qualities than any other bird. Langshans will not break down, like Plymouth Rocks; they will not get full of inward fat like Plymouth Rocks which is one reason why they are better layers; they live longer and are more hardy than Plymouth Rocks; they have more meat and less bone according to size than Plymouth Rocks. It is true they have not yellow skin and legs--neither have turkeys. The Langshans are better Winter layers than Plymouth Rocks. Let the public test these things, and we will certainly hear a good report from the Langshans.



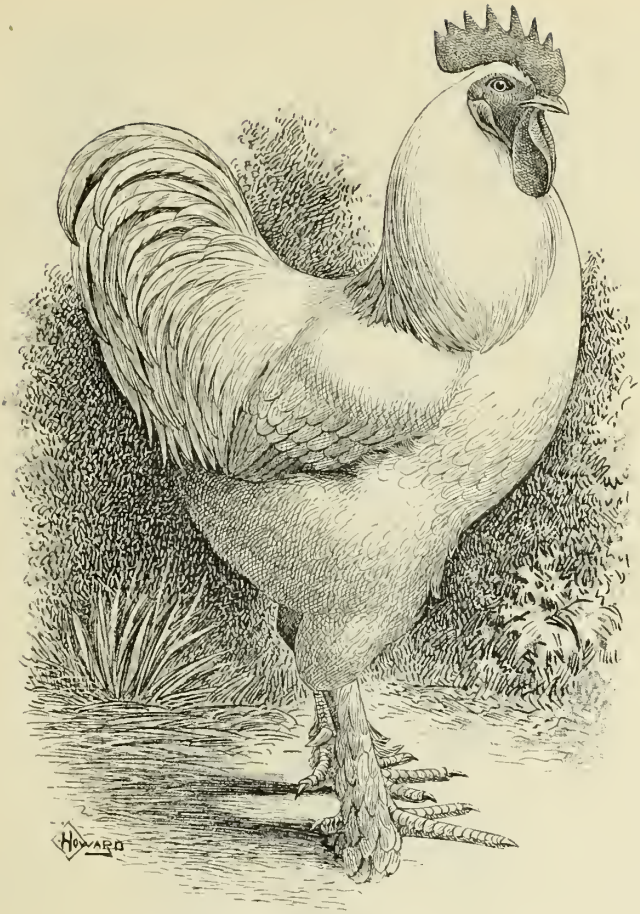
BLACK LANGSHAN COCK, "DANDY."
Owned by Wm. M. Hughes.

* * *

Why I Breed Langshans.

BY WM. M. HUGHES.

"Why do you breed Langshans?" has no doubt been asked of nearly every



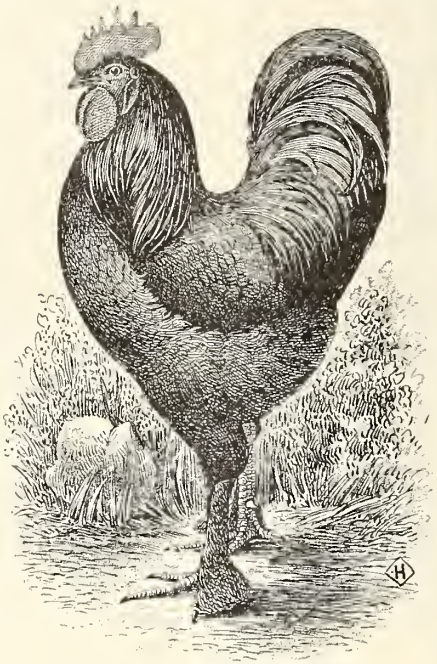
WHITE LANGSHAN COCK, "CRYSTAL CHAMPION."
Owned by Kirby & Smith.

breeder of this variety and I can personally testify that it has been asked me so often that I am almost disappointed when in conversation with people who visit my yards, if they do not ask this question. No doubt the same thing is asked of breeders of other varieties, but although I have bred and handled many of the standard varieties during the past twenty-five years, until the time of my taking up the breeding of Langshans the question did not come up often enough to attract any special attention. Of the many breeders of different varieties I too have asked why they bred such and such a variety, and in a large majority of instances the reply was "Because I fancy and admire the breed."

Now, to the man with the fat pocketbook it makes but little difference what variety or breed he chooses to take up so far as the matter of dollars and cents goes, in the way of profits derived from the breeding of the variety chosen, but to the one who takes up the business of poultry raising as a bread earner and as a sole business, it makes a vast difference whether the breed selected is one which will give the largest amount of dollars and cents returned for the labor and capital invested.

Many claim that the breed one fancies the most is the one they will be the most successful with. This I believe to be true if it is only a matter of breeding a few birds for the pleasure derived and when the return in dollars and cents does not count as a factor; but when it comes to the breeding and rearing of fowls and chicks as a sole business and as a matter of support, to my mind and from my experience much depends, for success, on the breed selected.

And now, after this lengthy preamble, I will try in as few words as possible to tell why I breed Langshans. As the story book starts in, to begin at the beginning, once upon a time, some thirty years ago, I raised chickens for market from the breed now known and designated as *scrubs*. For some six or eight years I raised yearly for market from six hundred to eight hundred chicks from this variety. I then took up the breeding and handling of thoroughbreds. I owned the first Light and Dark Brahmas that were ever handled in this section and bred them for a number of years. I then took up the Leghorn family. In the first named breeds I struck a fine carcass but slow chicks to mature. The eggs, however, did not come as they did from the scrubs. The Leghorns I found fine layers in Summer, but not so good during the cold season and when eggs were from thirty-five to fifty cents per dozen I did not get them and that was when I wanted them most. I also found a small carcass and a poor market fowl. Wyandots came next; egg production and carcass not up to high water mark, according to returns. Plymouth Rocks next, and I could go on and name many more varieties with like results of dissatisfaction on my part, until I took up the Black Langshan.



BLACK LANGSHAN COCK.
Owned by Dr. F. M. Robinson.

Some one says, "Now for his hobby, his fad, etc." Right, my friend, the Black Langshan is all of the above and more too; tried and proven as the *best egg producer in Winter* and a close rival to the Leghorn in Summer in egg production, and for the entire year the difference in the total number of eggs produced by the two breeds is but slightly in favor of the Leghorn; and when it comes to the carcass of the Langshan, here you get the quick growth, thin skin, small bone, little offal, for the ideal market fowl, and a chicken that once tried for the table is always looked for thereafter.

Some one says, "Guess work; or fancy." Wrong, my friend; for a number of years I kept a careful record of the egg production and number of pounds of poultry sold from pens of different varieties and the different pens were given the same care, feed, etc., in proportion to the requirements of the different varieties and the Langshans won on their *merits* and stood A-1 all along the line.

I will add still further that for docility and as care-takers as mothers, the Langshans were winners; also still further, when you look for a handsome, stylish fowl, what attracts more attention in the show room than a string of the black beauties? When it comes to a matter of price for breeding and show room specimens what variety leads the Black Langshan? And quick sellers at good figures they have been with me, over eight varieties, from the first year I advertised them. This is partly why I breed Langshans, and also because they earn my bread and butter, and again because to my eye no handsomer bird can be found than a pure bred Black Langshan.

* * *

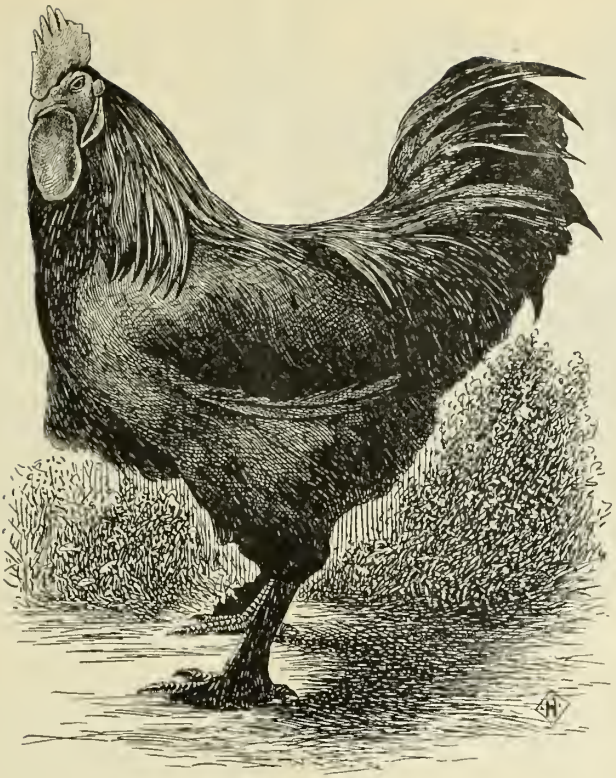
Langshans on the Farm.

BY MRS. M. A. SMITH.

Looking back over my experience with the Langshan, I am much impressed by the rapidity with which the breed won its way into favor.

I was one of the first to breed them in Iowa, and I have full knowledge of the many points in which they differed from the ideals of the various persons who thought they knew just what was required to constitute a perfect fowl.

"Is this your choice of a breed?"—a question I was constantly being asked, usually followed by the remark, "Well, I never could endure a black chicken; their meat is always so dark." To these people the white skin and tender flesh of the Langshan were a revelation. Then they discovered that to these good points were added quick growth, and

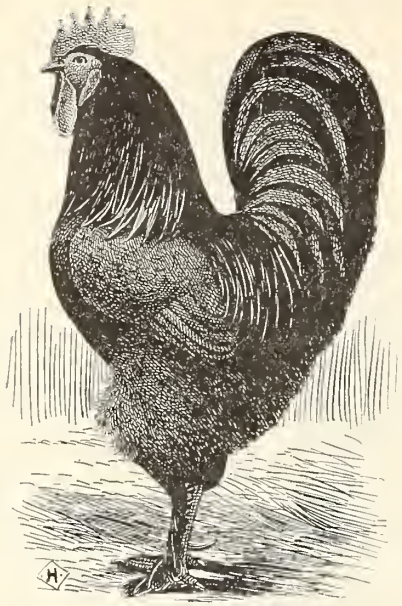


BLACK LANGSHAN COCK.
Winner at Boston in 1890. Owned by Wm. M. Hughes.

great laying qualities, that their active disposition made them great rustlers on a farm, and insured them a comparative immunity from disease. And, withal, they were a handsome fowl.

Then the tide began to turn. Fanciers were not slow in deciding that a pen of Langshans would be a good investment, and the demand was brisk for better birds and at higher prices than the farmer could or would afford to pay. The poultry shows felt the impetus, and instead of a scanty exhibit of birds, scoring from ninety to ninety-three points, it was soon not unusual to find the Langshan the largest class in the show room. The highest scores I have ever won on my personal exhibits have been ninety-six and one-half points, but this score usually wins for the Langshan the honor of highest scoring bird in the show room. I do not find ninety-five points a difficult score to reach. It may be because my birds are all raised on the farm, with free range.

This mode of raising will cause more losses from accidents among the chicks, and the weakly ones will usually drop by the way, but the survivors grow up strong and healthy, with proud, free carriage and glossy plumage. And if proper attention has been given to selection and mating of the breeding stock, the chicks will come all right in minor details, such as combs, toe-feathering, etc. They suffer the worst handicap from this free, roving life in the lack of handling and special preparation for the show room. This I seldom have time to attend to. It also affects the spirits of a free range bird to coop him suddenly in a small enclosure. To obviate this as far as possible, I raise chicks of the different strains of blood in colonies by themselves, with their headquarters near by, or in the yards where I shall want to keep them penned during the next season. Then I train these colonies to range in different directions. I leave plenty in each bunch to give me a good selection for a pen, and the surplus are sold, or if culls, they are eaten. By following this plan my birds are already broken to their Winter abode, and whenever the weather permits I can turn them out to



BLACK LANGSHAN COCK.
Owned by E. C. Connor.

forage, trusting to their instinct to lead them to their homes in good season.

I have made no special mention of the White Langshans, but I have bred them continuously ever since their introduction. I owned the first birds of this variety between California and the East, and I have raised the chicks of each breed, side by side, for all these years.

I find the Whites equal in all practical points to the Blacks. They differ only in color of plumage, which gives the Whites the advantage in the market, but makes them harder to put into condition for the shows. Hence my White usually score a point lower than my Black Langshans.

Could I decide which of the two varieties I like the best, I would cut down to that one variety, but I can hardly bear to give up either, so long as circumstances will permit me to attend to my birds at all. I am sure they are a breed that will well repay any one and that there could hardly be a better one for a farm.

* * *

The Langshan at Home and Abroad.

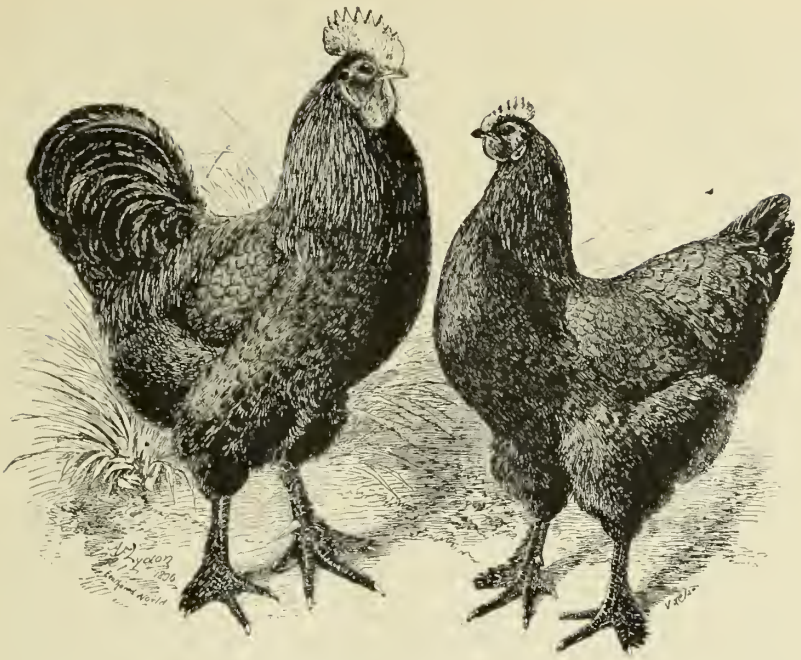
BY DR. S. T. LEA.

In this breed as in all others there is a diversity of opinion as regards its origin, which does not disturb the general views as to it being one of the best breeds ever introduced to American fanciers. Those who have studied its origin, have come to the conclusion that we are indebted to Miss A. C. Croad, of England, for this beautiful breed. It is not my aim to start a controversy on the origin, etc., of the Langshan as from all the facts in the case we feel satisfied that Miss Croad is correct on the origin question, and that they are a distinct breed as bred in the Langshan district of Northern China. Miss Croad has given facts that cannot be disputed by any reasonable or just fancier, while her defamers have expressed their long tirades without giving one iota of proof.

Even at this late date some Rip Van Winkle awakes and pours out his venom and spite against the purity and origin of the Langshan as represented by Miss Croad. We noticed one of these Rip Van Winkles (see May number of the *Midland Fancier*, England) who, after sleeping from 1843 to 1896, has made the wonderful discovery that "The Lanshan is a Cochin." We also have some of these Rip Van Winkles here in America, who claim that the Langshan type of to-day was the Cochin type of many years back. I am well aware that it is folly to try to convince some who are prejudiced as regards the purity and origin of the Langshan. However, all will agree that the Langshan has won its popularity on its merits.

When the Langshan was first introduced by Maj. Croad to the British fanciers, the Black Cochin fanciers became alarmed at this beautiful new breed and brought all their forces to bear against the Langshan. In the year 1872 there being no Langshan Class at the Crystal Palace Show, Maj. Croad exhibited his Langshans in the Cochin Class. The Cochin fanciers laughed at these Langshans for want of Cochin points, and when later a Langshan Class was secured at this show, they (Langshans) were called Cochins by these same fanciers. It is a well-known fact that all this opposition came from the Black Cochin breeders, who saw in this new breed a rival, and they made every effort to force the Langshan out of existence. Brother fanciers, where is the Black Cochin to-day? There is no breed that has ever created more enthusiastic admiration than the Langshan. We, here in America, were not slow to recognize that the Langshan, as first introduced from the Croad Yards, of England, in the year 1879, was a new and distinct breed, but even here the Langshan did not gain its high position unopposed, or have a walk-over for a place in popular favor. Again the guerilla warfare was directed against them, but to-day they stand at the head of all domestic poultry. Their motto should read: *Veni, vidi, vici.*

It is a well-known fact to all Langshan breeders that there are some Langshan



PAIR OF BLACK LANGSHANS.
From Miss Croad's Yards. Reproduced from *Feathered World* to illustrate Dr. Lea's article.

breeders who have sold and exhibited Cochin-Langshans, Game-Langshans, Java-Langshans, and over in England the latest farce, Orpington-Langshans. Thanks to the untiring efforts of Miss Croad and the American Langshan Club these birds and breeders are fast becoming a thing of the past. It is a poor breeder who could mistake one of these crosses for a typical Langshan. My first experience with the Black Cochin was in the year 1869; Langshans, 1883. Comparing these breeds as bred in my yards from that time to date I find very little change in the types. The Black Cochin in shape, soft and long feathered, square heavy looking necks and legs, plenty of fluff and leg feathering, cushion rising from middle of back to tail, tail short, small and almost concealed by cushion; neck, breast, cushion and tail all represented by convex lines. Langshan head small for size of body, comb medium-sized, well up in front and arch-shaped Cochin head, larger than that of Langshan and not so arched over eye; comb smaller, low in front and almost straight on top of serrations. Langshan back, short and concave; that of the Cochin medium length, slightly convex, and large, convex cushion. Langshan fluff, moderate and close; that of the Cochin extremely full and loose. Langshan wings, somewhat large and inclined downwards, quite prominent at shoulders; the Cochin wings, smaller, and almost hid by the fluffy plumage of cushion and fluff. Langshan breast, full, deep and carried well forward; Cochin breast, not so full and deep, but broader. Langshan legs, medium in length, small bone, long, tapering toes, color of shank, bluish-black, showing pink between scales, which are nearly black; Cochin legs, shorter, stouter, larger bone, toes, shorter and stouter, color of shanks, black or yellowish-black.

Before writing about the different types as now seen in England and America let me remind the Langshan fanciers that the Langshan is a distinct type as originally imported from their native country, and this should be adhered to as closely as possible, for whenever we attempt to improve it, whether by crosses or selective breeding for development of certain characteristics we spoil the original type, no matter how the variations from the original type are produced, it would only be towards some characteristic found in some other breeds, for we can only aim at what we have seen in some other breeds. There are few foundation types to be found in our domestic poultry. The Langshan presents one of these types and for this reason we should stick to the original type. Now as regards the different types.

First we have the long-legged type; these giraffes have been bred very extensively in England, their breeders trying to see to what colossal height and huge proportions they could reach, appearing to forget that stilts, shanks, bone and huge proportions would rob the beautiful Langshan of its symmetry and utility. Many of these gawky birds were imported to the United States during the years 1889-92. Miss Croad has constantly fought this type as it was directly opposed to the original type as first imported from China. Before leaving this type I take the pleasure of reproducing the following article from the *Feathered World*, England, April 24, 1896:

"In view of the interesting controversy in these columns on the subject of the Langshan, I requested Miss Croad to select a pair of birds from her yards which she considered typical of the pure Langshan she has so long kept there. The illustration (see cut reproduced) on to-day's front page is the outcome of my invitation, the pair of handsome birds there portrayed having been sent to this office and sketched in my presence by Mr. Lydon with a view to the correction of any misunderstanding as to the type of the Poling House Langshans. The artist was instructed to reproduce the exact outlines of these birds as accurately as possible. The pencil sketch was then submitted to Miss Croad, who expressed her high approval of its fidelity to nature; the drawing (see illustration) was next finished in ink and reproduced photographically. It may therefore be looked upon as a faithful representation of two actual Langhans from Miss Croad's yards, also as illustrating the type of bird for which that plucky lady has fought so long and uphill a battle. Judging from these birds as penned in my room, I cannot help expressing a preference for their graceful symmetry of form, as against many of the *long legged monstrosities* too frequently seen in the show pen. They have all the appearance of being utility fowls of high order."

Next in order we have the type with medium length of legs. Here we have the Croad type combining beauty and utility; their perfect symmetry and their lustrous, close fitting plumage make them admired by all—Third and last type, the short-legged Cochin and Dorking type. This type should be carefully kept out of our yards. The Langshan standard we now have would be perfect with few corrections; for instance, standard weight for cocks is ten pounds, cockerels, eight pounds; this weight, I think, is excessive, especially the cock; why should we handicap these males with excessive weight, when to do so we are forced to breed for size regardless of beauty, symmetry and utility?

[To be continued.]

Washington a Show Center.

To Breeders of Poultry and Pigeons:

The approaching International Exhibition at Washington suggests many advantages to exhibitors. The adaptibility of the National Capital as a show center has clearly been demonstrated to exhibitors of poultry, pigeons and pet stock. Those who were in attendance at the last show will verify this, and those who hope to attend the next will undoubtedly be of the same opinion. A good show center is to be wished for by all when exhibiting. The greater the interest taken in the event, the more profitable will be the results. The location has much to do with Washington's claim as an exhibition magnet; it is neutral ground and non-sectional in character. The National Capital is the Nation's center, all look upon it with pride that is characteristic of the American citizen. It is just as much his as it is some one else's, and he is not slow to assert his patriotism when the occasion demands. Fanciers and exhibitors of poultry, pigeons and pet stock appreciate this fact, and are sure to develop the resources of this District as applied to our feathered industries. Evidence of this is shown in the universal interest being taken throughout the country in the coming event. The population of Washington is peculiar to itself, that is to say, no other city is so cosmopolitan as this and no other city can prove as beneficial to the poultry industry. A show at Washington is literally a show to the world. The influences of an exhibition here will enhance the value of fine poultry and pigeons in many sections. We not only show to diplomatic representatives of other nations, but we also show to the many thousands of office holders who are citizens from every State of this glorious Union. This class of people would never perhaps have an opportunity of witnessing pure bred poultry and pigeons otherwise. They may become interested and it is then but a step before they are numbered on our lists. Large sales followed the first show and larger sales are anticipated at the next. The attendance has been credited by those who were present to be greater than they had ever seen before. When attendance is large, the chances for trade are good, and the possibilities of soliciting patronage are greater than when the circumstances are different. The National Poultry and Pigeon Association extends an invitation to all to attend and exhibit at its next show.

Yours Fraternally,
GEORGE E. HOWARD,
Secretary.

Personal attention to the details is the secret of success in poultry raising.

POULTRY FOR EGGS.

Plans and Suggestions for Raising Eggs For Market.

VARIOUS plans and suggestions are continually being made as to raising poultry on a large scale. New ideas and themes are too numerous to mention —some good, some bad. The practical side of the business, is in a measure overlooked in the mad rush of theory for something new and novel. Some would have the thing theoretically perfect on paper, but in demonstrating the feasibility of the plans, the transparency of the idea is laid bare and the scheme is often a dismal failure.

The task is not so easy to raise poultry on a large scale for profit, as it is to raise fowls in small numbers for pleasure. Many have been elated at their successes with a small well-regulated flock, but have swamped the undertaking when attempting it on a large scale.

Keeping poultry for eggs is an industry that is claiming much attention at the present time. Poultry kept for eggs — eggs for market — alone may be conditioned differently from poultry kept otherwise. In the former eggs are the only consideration and the requirements for fowls kept for eggs are not at all necessary for those kept for other purposes. When fowls are kept for eggs the problem that is ever before the poultryman, is in determining the number of birds that may be in a colony to produce the best results—lay the best average number of eggs the year round.

Claims are repeatedly made that small flocks lay more eggs than large flocks do. These claims may be well founded if the basis can be established as to what a large flock really is. We may well claim that a flock of fifteen hens is a large one when kept in a six by eight house with a small run attached.

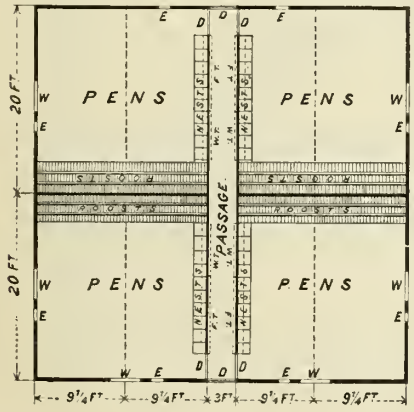


FIG. 1.

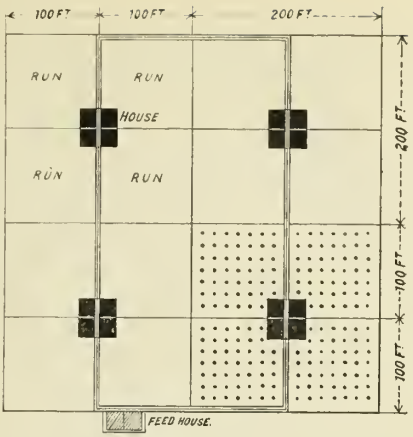


FIG. 2.

Conditions govern all things, and no one can deny that a flock of fifty or sixty hens, without cocks, properly housed, and provided with ample runs, will not give as good results in eggs as a smaller flock under the same conditions. Practical experience has demonstrated this fact and as good average results have been obtained from a flock of fifty fowls kept for eggs, without cocks, as was ever had from a flock of one-half the size. This is, of course, for fowls kept solely for eggs, but for breeding purposes, smaller flocks would necessarily have to be kept to insure fertility of the eggs.

The plan suggested in this article is for keeping one thousand hens for eggs. The detail is elaborated with a view of developing the practical forethought and consistency of furthering the ideas advanced above, carefully noting the requirements of ultimate success.

As a prelude, the cost of an undertaking is the parallel for comparison with the profits to be derived therefrom as a source of income for labor and money expended in the enterprise. Aside from the cost of the plant, labor is the greatest running expense. Each day the one thousand hens must be fed twice or three times, and watered at least once. To insure health and cleanliness, the houses must be cleaned at least once a week. The eggs must be gathered daily, and disease must be always watched for.

These things, and more too, are to be carefully considered in the every-day life of the poultryman. The business is one that requires careful attention to be made successful. It is no plaything, but a bona-fide vocation, which requires intelligence and a large lump of common sense. It should not be under-

estimated nor should it be overlooked in any particular, if justice is to be done to yourself and the undertaking. No business will succeed without these things; no matter how small, it will succumb to the inevitable without personal supervision of the business in general and the details in particular.

The plan of house shown in Fig. 1, is designed to accommodate fifty or sixty laying hens to each pen, or from two hundred to two hundred and fifty hens to the house. The house is forty feet square, with a passage three feet wide running through the center of the building. It is divided into four pens, eighteen and one-half feet by twenty feet each, with floor space of three hundred and seventy square feet for each pen. The partitions between the rooms are made of two-inch mesh wire.

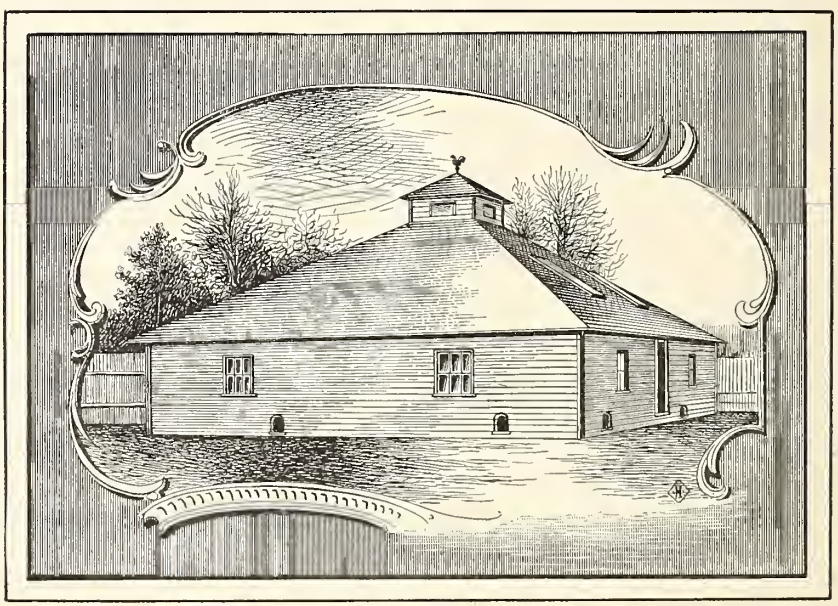
The roosts run through the center of house as shown in cut. The platform beneath the nests is eighteen inches from the floor, and is three feet wide and eighteen and one-half feet long. The two roost poles are made of two by four inch scantlings, with upper edge rounded, and the ends rest on supports, so that they can easily be removed and cleaned when needed. The platform is covered with dry earth two or three inches deep.

The nests are on the passage side of each pen, so that the eggs may be gathered daily from the passage. The platform for the nest boxes is on a level with the roost platform, eighteen inches from the floor; it is eighteen inches wide and extends from the door of pen to the roost platform. The nest boxes are made separate, without solid bottoms or backs and rest on the platform. The bottoms and backs are held together by laths. A lath or wire door is hung at back of nest.

The feed and water troughs are beneath the nest platform. These are attended to from the passage, which saves time in feeding and watering. The floor of each pen is filled with scratching material, where all grain food is scattered.

To accommodate two hundred and fifty fowls in pens of fifteen each, it would require a house at least one hundred and sixty feet long. Such a house would be divided into sixteen pens, ten feet each, and as many runs (sixteen) as there are pens. To feed, water, and clean sixteen pens requires considerable time and labor, and no better results would be obtained than by the plans we give, which consume only one fourth the time and labor.

The house should be built in the center of an acre. The arrangement of the runs is shown in Fig. 2. This will give four runs one hundred by one hundred feet each, or ten thousand square feet, with an average of two hundred square feet for each hen. Some may think that this is more space than necessary, but it should not be reduced at all.



PERSPECTIVE VIEW OF HOUSE.

By having the runs in quarter acre lots, they are more easily kept clean, and the health of the fowls promoted. Once a year the ground may be ploughed and limed in a short while, and green stuff may be kept growing. When runs are small the ground becomes impure from constant use and it requires time to spade it up by hand.

The income from an acre so planned can be increased by planting an orchard in the runs. This will give a double revenue. The droppings will be an excellent fertilizer for the ground, and the trees will afford shade for the fowls. The lower left hand square plat (Fig. 2) shows an acre with the house and runs, and the method of planting an orchard. The drawing shows the trees in rows about thirteen feet apart. A part of each can be planted in trees, if preferred,and the remainder in grass, oats or barley.

The profits from an acre as planned should average at least five hundred dollars a year from eggs and fruit. This is a reasonable estimate, and even this can be exceeded by the more practical man. At these figures the average would be one dollar per hen and about one dollar and a half per tree.

Fig. 2 shows a plot of four acres, with a capacity of one thousand hens. The feed-house is placed at the entrance of run of first house. The double lines show the passageway for feeding and watering.

The cost for building a plant of this kind would be considerably less than that of the narrow-house plan. To accommodate one thousand hens in pens of fifteen each,would necessitate a building ten feet wide and about six hundred and fifty feet long. Besides the difference in cost of building, the fencing for small pen plan would cost six or seven times as much as the plan illustrated. There are about one thousand six hundred and eighty running feet of fencing used in our plan while over seven thousand five hundred running feet of fencing is used by the other plan. The saving in fencing will be a large item to your credit in the sum total of expenses.

We have said that the labor required to attend one thousand hens depends upon the conveniences of the plant. This has been the chief thought with us in making these plans. We put four pens to each house, and to one thousand hens we have sixteen pens to feed,water, etc. This can be easily done by one man of ordinary ability, and he will have ample time to do his work without exertion. It is as easy to feed, water, and care for a pen of fifty fowls as it is for fifteen; the time being saved in going to each pen separately. Instead of the four pens of fifteen fowls each, we care for one pen of fifty or sixty fowls; thus doing the work in one-fourth the time. Our plan has sixteen pens for one thousand hens and the other has sixty-seven pens for the same number of fowls. We leave the reader to estimate the saving in labor to care for one thousand hens by the plan we give.

Another disadvantage of the long house is that of drafts; the longer and narrower the space, the stronger and more detrimental is the draft. Nothing, perhaps, is to be dreaded more than drafts; it is most fatal to fowls, and is the forerunner of disease. In Spring and Summer hens suffer from intense heat in small houses, and vermin is bred profusely; during the day the sun shines unmercifully on the roof and front, which makes the atmosphere stifling. This is avoided in the larger houses; the roof being large and on a greater pitch, with openings in apex, the air is kept in perfect circulation without causing drafts. The interior of this house is cool and refreshing, and bears comparison with a large airy room in a dwelling-house, as compared with a room one-fourth its size with low ceilings.

The same may be said in reference to the interior during Winter. The temperature is more even in the larger house as it does not vary so readily with the outside changes, and at night the fowls are roosted close together, which heats the interior to a greater advantage than if they were strung out in continuous houses one hundred and sixty feet long.

Sunshine and Shadow.

It is a pleasure to go into the poultry-house on a cold, blustery day in Winter, when the ground is covered with snow perhaps, and find the house warm, clean and well kept and the fowls healthy, happy and constantly on the move busily engaged in scratching among leaves or chaff, or dusting in baths. But if the house is filthy; if a sickening odor meets you upon opening the door; if the fowls are seen huddled in a corner the picture of misery, how great is your disgust and how speedy your departure.

A Week's Work.

It takes but one week's work to put the poultry-house in first-class condition for the Winter. One day's hauling will bring all the road dust that will be needed; another day's work will gather enough leaves for the scratching pens; another day can be spent taking out all the old dirt in the pens and replacing it with new; another can be devoted to whitewashing, and the rest of the week will repair the buildings. Time well spent.

WHO'S SHELLABERGER?

He's the Wire Fence Man, of Atlanta, Ga., and sells the best and cheapest fencing in existence for all purposes. Catalogue free. Write for it.

SHIPPING LIVE POULTRY.

What Progress and Genius Have Accomplished for the Poultry Industry.

BY WM. H. RHEES.

IT has been said that, "One-half the world does not know how the other half exists." How little either half knows from where and how this existence is brought to them. All of us are either engaged in producing food or laboring to obtain money for the purchase of sustenance.

A glance around will quickly show the enormous size of this never ceasing river of food supplies, to satisfy the hunger of millions of beings. Progress and genius have accomplished much to cheapen and increase the production of these supplies and naturally there has been a vast improvement in methods and mediums of transportation. With the introduction of refrigerator cars and cold storage buildings, cities need not fear the coming of a local food famine. And what a blessing to enjoy tropical products in icy climes! Surely a debt of gratitude is due the magnificent railroad systems of this country which have made it possible for each section of the country to devote itself to the production of products for which it is best adapted, by connecting all the great markets of the country into one grand produce exchange.

So also in supplying the great cities with poultry, what changes have occurred! With cold storage now there are no "gluts" of the market and for the same reason it is almost impossible to "corner" the supply. Perhaps prices do not reach such a high point, but the average is far better. Probably seventy-five per cent. of the poultry shipped is sent to market dressed. This has many advantages, such as saving of waste weight and convenience of handling and storage. Still there are hundreds of thousands of live fowls shipped to market annually.

Given the demand for an article and an American soon supplies it. And so although there have been for many years improved humane stock cars for transportation of the beasts of the field, it has been quite recently that special live poultry cars have been in operation.

The superior patent cars now rented out by the Live Poultry Transportation Co., of Chicago, Ill., bid fair to revolutionize the shipping of live fowls with a great gain in profits and humane treatment.

The accompanying cut of a car just loaded must be of interest to readers of THE FEATHER in all sections. We wish everyone of them could be fortunate enough to obtain a personal view of one of these cars *en route*. Can you imagine 5000 fowls in one car in such a comparatively small space? It is indeed a sight to go miles to see.

In one car the writer saw on the way to San Francisco from Nebraska, were thousands of fowls and many ducks, also several crates of turkeys, and one poor canary bird in a cage. All seemed contented and quite a happy family.

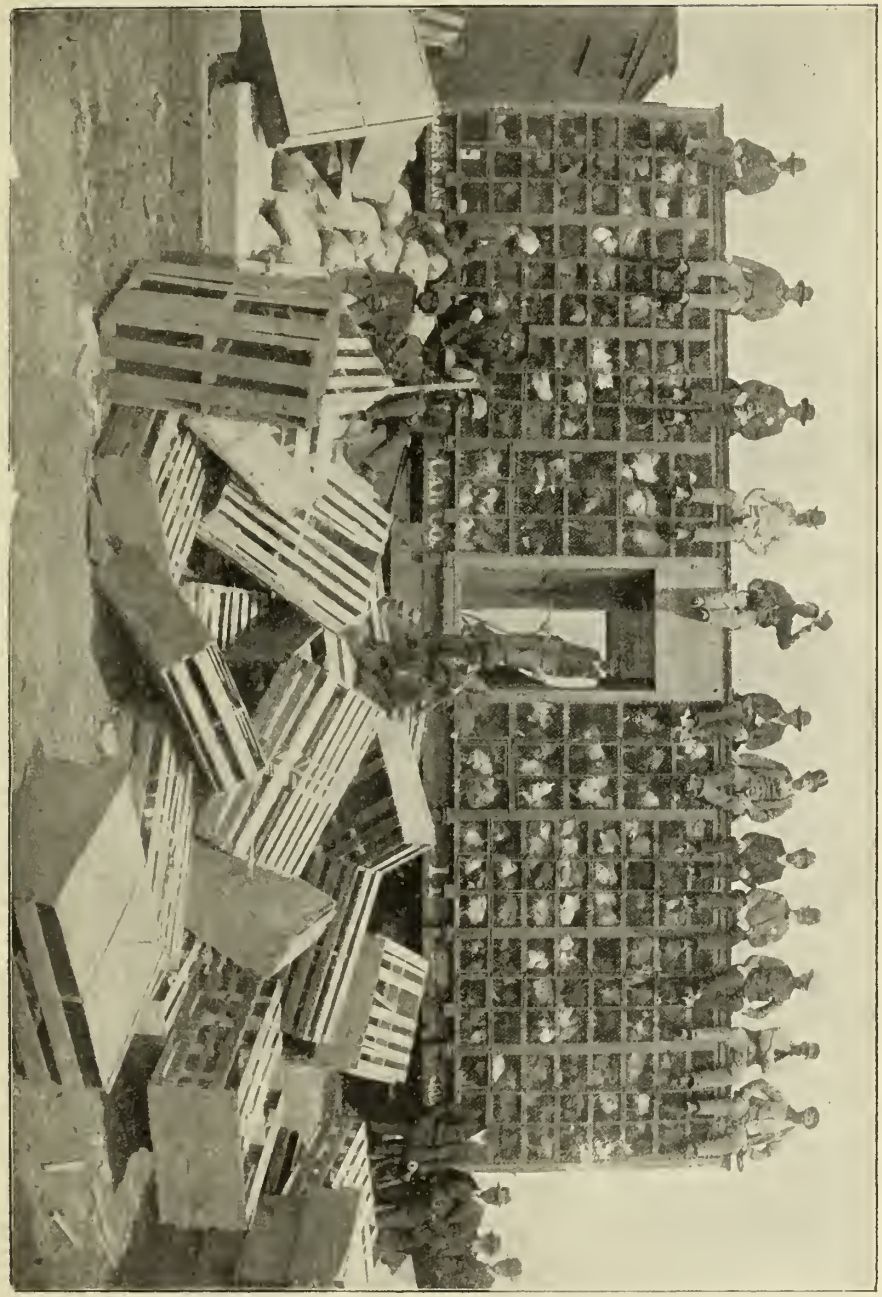
What an object lesson a sight of this kind makes of the great need of improvement in the farm poultry of these western States. And while here were gathered more birds than ever favored a Madison Square Garden Show, what a collection of scrubs and culls, mixtures of all breeds and most of them just dung hills. But a few years will make a vast change. Western farmers "know a good thing when they see it," and they realize more *interest* in pure bred poultry means less *interest* to have to pay on mortgages.

The central-western States of Nebraska, Kansas, Iowa and Missouri, ship to the market annually tons of poultry of all grades. These cars are used by enterprising middlemen who gather up a few here and there until a car load is obtained when it is either shipped to the East *via* Chicago, or to San Francisco through Denver. Most of the stock is of a class that brings a very low price, old hens and roosters, selling from eight to ten cents per pound. Allowing the minimum weight of sixteen thousand pounds per car, gives at nine cents per pound, a selling value of one thousand four hundred and forty dollars, quite an investment, and a differance of one cent per pound when buying or selling would make quite an appreciable difference in the profits.

These cars are very strongly built and completely arranged for their purpose. The sides are heavy wire netting, allowing ample ventilation. They are each eight decks high, divided into one hundred and twenty-eight compartments twelve and one-half inches high. In the center is a state-room for the man in charge and an aisle running lengthwise to obtain access to feed and water troughs on each side. These troughs pull out into the aisle to receive the feed and shove back into place.

There is a water tank in the top of each car holding over three hundred gallons and also a granary underneath the car reached by trap-doors.

The company has an equipment of nearly two hundred cars which are rented under a tariff graduated at so much per trip, according to its length, a journey of five hundred miles costing twenty-five dollars or one of fifteen hundred miles, forty-five dollars; this is in addition, of course, to regular railroad freight charges for hauling car.



LIVE POULTRY TRANSPORTATION CAR.

Many times when properly attended the weight of the fowls increases over that at time of loading.

Devoted to the Wyandot.

Miss Edith E. M. Renz was born in Union City, Conn., in the Centennial year, 1876. Her father, who was a large cutlery manufacturer, removed his business to Bridgeport, Conn. While living at the latter place Miss Renz lost her mother by death. In the early eighties her father removed to Florida, and located on a beautiful point of land projecting into the St. John's River, about sixteen miles below Palatka, and named the place Bridgeport, after his former home. After a few years he removed to this city, but like others who have once enjoyed life in the genial clime of Florida, its attractions were so great, that not even the beautiful Capital City could overcome them, and with Miss Edith as the only member of his family, he returned to their Florida home at Bridgeport, where they have resided for the past six years. The residence is beautifully situated in the midst of a grove of magnificent live oaks interspersed with grand trees of sweet-scented magnolia grandiflora. Miss Edith is so much a child of nature that she, like a sylvan fairy, holds supreme control over these grand trees and no woodsman dares molest them.



MISS EDITH E. M. RENZ.

At this place her father is in the lumber business, in addition to which he is an extensive manufacturer of large cypress-wood tanks, for railroads, irrigating plants, and other purposes.

Miss Edith, since her present residence in Florida, has been an enthusiastic fancier of fine poultry. She has experimented with several of the most popular varieties, but has decided that the White Wyandot, for utility and beauty, is her favorite. These she finds also to be best adapted to the climatic and other conditions in Florida, and she now keeps them exclusively.

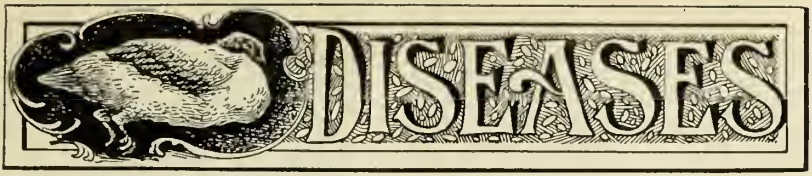
In addition to presiding over the domestic affairs of the home, she is her father's principal business assistant. She is sedate and thoughtful for one so youthful, has traveled extensively and usually alone, her last trip being during the early part of the present Summer, when she visited Connecticut, returning via this city, where she visited relatives; thence to friends in Richmond, Va., and then to her Florida home. She is well informed, a fluent and interesting conversationalist and can talk with any one on any topic, and of course has a host of good friends.

More Meat and Less Grain.

Poultry keepers should not consider any kind of food expensive that makes the hens lay. For the successful production of eggs at any season of the year it is necessary that the hens should have a mixed animal and vegetable diet. During the Summer months insects and worms are abundant and fowls having a range can easily supply themselves with animal food, but in the Winter this necessity must be supplied if the best results are to be obtained. Meat scraps and green bones are the best substitute and should be fed at least twice a week. When farmers feed more meat and less grain, they will have larger profits from poultry. The introduction of the green bone cutter also lessens the cost, as cheap bones and meat can be cut fine and fed without the necessity of cooking the meat.

A fair comparison between grain and meat will show that meat is really cheaper than grain, because it increases egg production and also contains less waste. A grain-fed hen appropriates a large part of it to the storage of fat, which is not desirable, while lean meat is almost entirely nitrogenous. The food which produces no eggs is decidedly the most expensive.

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CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Tuberculosis.

BY DR. D. E. SALMON.

WE frequently find mention in medical literature of tuberculosis in birds. In Europe this disease appears to be very common, and it is by no means rare in the United States, if the statements of our professional men are to be accepted. The observations recorded previous to 1884, and those made since that time, which are not based upon the demonstration of the *Bacillus tuberculosis*, cannot be accepted as perfectly reliable. There are a number of diseases in which the symptoms and appearances of the diseased organs are so nearly alike that a microscopical examination must be made before their nature can be determined. The existence of tuberculosis is determined by the presence of the germ which produces it. Consequently, it is only since the characters of this germ were made known that we have been able to make a reliable diagnosis in suspected cases. Koch demonstrated beyond doubt the occurrence of tuberculosis in fowls, and observed that the bacilli were extraordinarily abundant in the nodules of the intestines and liver, and, also, in the contents of the intestines.

Sutton observed tuberculosis in grain-eating birds of various parts of England and states that "the occurrence of tuberculosis in these places may be regarded as showing that it is probably met with in most parts of England."

Nocard, a French veterinarian, says: "Tuberculosis is a frequent disease with birds of the poultry yard. It occurs with them in an epidemic form. It attacks fowls, pheasants, pigeons, turkeys, peacocks, guinea fowls, etc., and it may even be produced in small birds experimentally." In six hundred autopsies of fowls made by Zuern, presumably in Germany, sixty-two, or ten per cent., were found tuberculous.

In the cases reported in the United States there appears to have been very few instances in which the diagnosis was confirmed by bacteriological examination and the demonstration of the bacillus.

SYMPTOMS.

The symptoms which are observed in the tuberculosis of birds are common to other diseases, and therefore, while they are valuable as an indication of the nature of the disease, they are not sufficient to permit an absolutely reliable conclusion to be reached. There is rapid and progressive emaciation, made apparent by the loss of weight, wasting of the muscles, and prominence of the bones. The comb becomes pale, the bird loses its bright, animated expression, and in the later stages becomes quite dull and sleepy. At this time a persistent diarrhea appears which increases in intensity until the subject dies from exhaustion.

The symptoms just enumerated are those observed when the disease is confined to the internal organs. It often affects the joints and bones, when it is revealed by lameness, swellings of the joints and deformities of the bones. Occasionally ulcers form, in the pus of which many bacilli are found.



Tubercular tumor of the wing.

The skin and external mucous membranes are frequently affected with parrots but more rarely with other birds. There are first seen small grayish elevations which unite and form patches. Thick crusts form on these patches, becoming hard externally and soft and cheesy next to tissues. If these crusts are removed a red granular surface is exposed. Sometimes the crusts, particularly near the eye or mouth, become horny and develop into excrescences an inch or more in length.

APPEARANCE OF THE ORGANS.

In poultry and pheasants the abdominal viscera are the most common seat of the disease. The liver is most frequently and most severely affected. The spleen is also very often attacked.

These organs are enlarged and more or less filled with tubercles which may vary in size from small whitish or grayish points, to nodules the size of a pea, or to tumors the size of a walnut which are fibrous, firm and often softened at the center. The tubercles may also be hard and calcareous. The liver is more friable than in health, and ruptures leading to fatal hemorrhages may occur.

The peritoneum, or serous membrane of the abdominal cavity, may be covered with tubercles the size of a pin head or smaller; and when this occurs the abdomen usually contains more or less liquid.

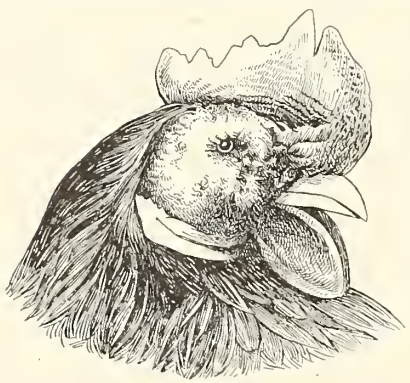
The intestinal walls are often thickened or ulcerated, and contain tubercles of various sizes. Sometimes these are so large that they diminish the caliber of the tube or entirely obstruct it. The softening and breaking down of the tubercles on the inner surface of the intestine cause the ulcerations which are commonly seen in this disease, and from which the bacilli escape in incalculable numbers.

The abdominal lymphatic glands may be invaded by the tubercular process and enlarged to the size of an egg.

Small tubercles, the size of a pin head or less, and sometimes larger tubercular masses, are occasionally found in the lungs, air-sacs, heart and pericardium, but these organs are more rarely affected than are those situated in the abdominal region.

Generalized tuberculosis is not uncommon and in this form of the disease most or all of the organs of the body are affected—the tubercles being found even in the interior of the bones.

The joints are frequently the seat of tubercular inflammation leading to swellings, abscesses, ulcers, fistulas and loss of movement. Swellings, ulcers, and cheesy formations are sometimes seen about the mouth, eyes and nose, and horny excrescences may appear upon the skin of the head. These external manifestations are the rule with parrots.



Tubercular tumor of the head.



Liver of pheasant affected with tuberculosis.

[*Concluded next month.*]

Keep Them Clean.

In laying down eggs for Winter use care should be taken to see that they are perfectly clean. The shell is porous and the odors of filth attached to it quickly penetrate to the interior and begin the process of decomposition. It is impossible to keep eggs many months and have them exactly like fresh eggs. The evaporation from the egg robs it of moisture, though this is largely prevented by immersing the egg in lime water. But all water, except that which has been just boiled, contains some air. Packing eggs in salt will keep them for a short time, and is the easiest and cheapest way for keeping for home use.

Good Egg Material.

The largest ingredients in eggs are lime, nitrogen and phosphoric acid. We have found that green bones, which have been hitherto thrown away, are the best and cheapest egg making material extant; and now know that this is because bones are rich in albumen, phosphate of lime and phosphoric acid. In short, actual waste has been converted into eggs commanding a high price.

While the weather is good prepare for the bad weather that is to come.

In a Nut Shell.

A common and one of the worst mistakes made with poultry is over-crowding—that is, putting too many birds in too small a space.

Many reason that if a dozen hens will give their owner a good yearly profit, another dozen would double the profits. This is a big mistake, and one to be avoided if you expect to realize good profits. My advice is, do not put two dozen hens in space that is only big enough for one dozen. With less space they are over-crowded, and with over-crowding comes a loss of tone and vigor making the fowls more susceptible to disease, vermin more easily finds a foothold, and a great many of the evils of the poultry yard are traceable to an over-crowded flock. Experience teaches us that health is as necessary to the organism of a fowl as it is in the human family. When the organs of a man are deranged he can neither appear to so good advantage nor do anything so well as when all parts of his physical machinery are intact and properly adjusted, and the same conditions hold good in a fowl.

Your poultry-house is another consideration. Let it be cheap and simple in construction, but see that it is properly ventilated, avoiding drafts or currents of air near the roosting places. Fowls should have protection from sudden changes of temperature during all seasons of the year. Rain and sleet should not drip through the roof upon their bodies, neither should they be allowed to run out in snow, slush or cold rain. Exercise is constantly needed by fowls. They should have dry leaves, chaff, straw, hay or dry dust to scratch in. In feeding I go into the pens and bury the grain in the leaves, etc., with the foot. I have been asked by visitors hundreds of times why I do this. I tell them my birds have to scratch for a living.

Drinking water should always be within reach, and at all times fresh. It will also pay to always feed good, sound grain.

Grit of some sort is indispensable, as it helps digestion—in fact, it is the fowl's teeth. If fowls have half the care you bestow on your cow or horse they will pay a much larger profit than either the cow or the horse. In fact, a little hen getting a reasonable amount of care is the best paying critter on the farm.—C. J. Daniels.

Gather the Leaves.

The best work that can be done for the fowls in the Fall is to lay in a supply of leaves and dry dirt under shelter. It is scratching in the Winter that keeps the hens in best laying condition, and when the snow is on the ground a pile of dirt and leaves in the poultry-house will afford an opportunity for exercise, and greatly tend to make the hens more contented in confinement. Too many leaves cannot be put away. They will be found very useful, and will also assist in retaining warmth in the poultry-house by preventing cold drafts of air along the floor.

Will Induce Egg Production.

A variety will be cheaper than a regular diet of one kind of food, because it will induce egg production. It would not be difficult to adopt a regular plan of feeding with a view of giving the desired change each day. The evening meal should be wheat one day, oats the next and corn the next. If rye, buckwheat or barley can be had at fair prices they may be used also, thus giving six changes on the night meals. In the mornings the following may be used: Cut clover one day, the next cut bone, then cooked potatoes or turnips thickened with bran, next a mess of corn meal, ground oats, ground meat and a little linseed meal mixed and moistened; skim-milk thickened with corn meal may follow; cabbage and nothing else will also serve as a change. These different messes may be varied in several ways. They are not expensive and can be prepared with materials which are easily obtained. The point to guard against is that of feeding too much and thus making the fowls overfat. Fresh meat or liver, chopped fine, may also be added to the list with advantage.

Eggs or Broilers?

No single breed of fowls will answer all requirements. If you want eggs, it will be well to take some of the smaller breeds. If you want something for market, the larger breeds are best.

Death of Rev. W. L. Austin.

Rev. Wm. L. Austin died at his home, 212 North Carey Street, Baltimore, Md., Sept. 11. The funeral services were held at the Presbyterian Church of the Covenant, Hollis and Stricker Streets, of which he was pastor. Interment was in Loudon Park Cemetery.

Rev. Austin was a prominent member of the Magpie Club and a great lover of pigeons. He took a delight in visiting lofts, not only in Baltimore, but in other cities as well and would drop everything to show his birds and talk pigeons, and he was an unusually pleasant talker. From his personal appearance one would have thought his chances for life were good for many years yet; he was the picture of health, weighing two hundred pounds or more. He was a constant visitor at all our shows, being the first to arrive in the morning and the last to leave at night.—G. A. F.

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OCTOBER, 1896.

Our First Birthday.



THEN.

TIME has passed rapidly. Twelve months ago the egg was hatched that gave life to THE FEATHER. When we think of ourselves as we looked then, we can but take considerable pleasure at our present appearance. To a great many of our friends the egg was doubtful, yet, our enthusiasm was so great that where others had failed to see life, we thought we did and believe our thoughts have been verified in the living thing to-day. The work has been extremely pleasant; our delight has been to note the perfect development of the chick. When it was released from its tiny chamber it made its bow in an active, becoming way, beginning life with a promise of a healthy, prosperous growth. It grew rapidly in popular favor. Even before the babyhood days were passed its admirers were many and enthusiastic. The development of twelve months has given a specimen that is triumphantly happy on its first birthday, and vigorous for the work that is before it in the interests of the feathered race.



NOW.

Our Cover Pages. Our cover pages have been sold for the coming year to four successful business men, who will use the space to tell the readers of THE FEATHER of the many bargains in store for them. Mr. Edward S. Schmid, Washington, D. C. will carry his usual full page ad. for his emporium of pets. The Long View Poultry Yards, Hyattsville, Md., will run a full page regularly, and offer many fine things to the poultry loving world. The well-known breeder, Mr. A. C. Hawkins, Lancaster, Mass., has purchased the upper half of back page cover to increase his already large sales of prize winning poultry. Mr. R. Reid Harding, Hillsboro, N. C., will use the lower half of back page cover, to cater to the trade for stock from the large and well established Occoneechee Farm. The good things which these gentlemen offer will be fully appreciated by, and many sales made to our readers.

* * *

Profitable Investment. THE FEATHER begins its second volume under extremely favorable circumstances. A glance at the list of breeders and dealers as given in our pages will convince the most skeptical as to the merits of THE FEATHER as an advertising medium. These are business men who are in search of business, and they surely would not invest their money in space with us if they did not expect to realize returns from their investment. We have always contended that our publication is a first-class medium for advertising, and we believe our statements have been verified by those who have tried our columns. A gratifying evidence of this is shown by the number who have enlarged their space for the coming year. These have felt the pulse of our readers and they know there is business in store for them, and they do not propose to lose the opportunity which is so plainly presented through this source. Our readers have confidence in our advertisers. The increase of this month's business has necessitated the addition of eight pages to accommodate our matter. It is our expressed hope that we shall be compelled to add pages every month; in fact we believe we have just started in our work, and that it will not be so very long before we shall issue regularly a sixty-four page magazine. Examine this number carefully from cover to cover and we believe you will agree with us in these thoughts.

* * *

Glance at this List. Many of the new advertisers in this issue are well and favorably known by a great number of our readers. But then there are some, we are sure, who have never seen them before. To these, as well as

others, the following advertisers will display their goods and solicit patronage during the coming season. Messrs. James Rankin, South Easton, Mass., A. F. Williams, Bristol, Conn., the Reliable Incubator Co., Quincy, Ill., the VonCulin Incubator Co., Delaware City, Del., The Star Incubator and Brooder Co., Allentown, Pa., and the Pineland Incubator and Brooder Co., Jamesburg, N. J., advertise the latest and most improved appliances for artificial incubation and brooding. Stratton and Osborne, Erie, Pa., have secured space for their well-known bone cutters. The Harvey Seed Co., Buffalo, N. Y., has tripled their space for the sale of poultry supplies. The ad. of the Mica Crystal Grit Co., Concord, N. H., will be run regularly, and if you use this grit your birds will have perfect digestion. The Imperial Remedy Co., Tiffin, O., are manufacturers of a full line of pet stock remedies. Charles E. Long, Lancaster, Pa., is known to pigeon fanciers as the manufacturer of Long's celebrated Pigeon Remedies. G. H. Brinton, Elwyn, Pa., sells a practical book entitled "Money in Squabs." Childs & Co., Arkansas City, Kan., advertise a formula which means "Good By Lice." The following breeders advertise winning poultry and pigeons: Wm. H. Rhees, Washington, D. C., Langshans; Wm. M. Hughes, South Portsmouth, R. I., Langshans; Rudolph Thiele, Silver Hill P. O., Md., fancy poultry, pigeons and all kinds of pet stock; Long View Poultry Yards, Hyattsville, Md., pure bred Barred Plymouth Rocks and Single Comb White Leghorns; A. C. Hawkins, Lancaster, Mass., Barred and White Plymouth Rocks and Silver and White Wyandots; J. M. Hamblin, Vienna, Va., Silver Laced Wyandots; E. M. Mellor, Sykesville, Md., Indian Games; W. T. Greene, Hopkinton, N. H., Black Langshans, Black Minorcas and Barred Plymouth Rocks; L. M. Morse, Newark, N. Y., Light Brahmas; G. A. Fick, Baltimore, Md., Magpies and Swallows; Dr. W. Y. Fox, Taunton, Mass., Bantams; G. A. E. Reynolds. Marlboro, Mass., White Wyandots; Mrs. J. J. Hayslip, Bartlett, Tex., Black Langshans; W. H. Overbaugh, Jr., Hanover, Pa., Barred Plymouth Rocks and Buff Leghorns; Mill Neck Poultry Yards, Mill Neck, N. Y., La Fleche; Dr. R. H. Evans, Washington, D. C., Fantail pigeons; R. Reid Harding, Hillsboro, N. C., blooded stock and fine poultry; Riverside Poultry Farm, New Berne, N. C., sixteen varieties of fine poultry; and Edward S. Schmid, Washington, D. C., has taken additional space to advertise a new legband for Homing pigeons.

* * *

When writing our advertisers always mention THE FEATHER.

Prosperity of the Feathered Industry. When has the fancier's business suffered from the stagnation and lethargy which has so often paralyzed most other occupations? There is no record of its ever having failed to yield good returns for the money invested.

During the last four years, when great mercantile institutions have been tottering upon the verge of bankruptcy, or tumbling with a crash that meant ruin to themselves and to all associated in their business transactions—when many of our trusted financial houses have disastrously failed, the poultry and pigeon industries have gone on without so much as the ruffling of a feather. The poultry shows have been largely attended during all of this period of depression which has affected nearly every other industry, the fancier's enthusiasm never diminished, and sales were so brisk last season that many of our advertisers were compelled to remove their advertisements before the expiration of their contracts because their stock was exhausted.

The few individuals who have not done so well as they expected have been the victims of bad judgment or ignorance. Either they have selected breeds for which there was no demand, or their stock has not been such as to commend it to purchasers, or they have not known how to keep their birds healthy and productive, or, finally they have not advertised judiciously.

The Fall business has commenced earlier and with more firmness than usual. While merchants, bankers and speculators have been standing around with their hands in their pockets waiting for the political campaign to end and speculating upon the results, the fanciers have been hustling for business and have been getting orders at a lively rate.

If this is the situation now, we can hardly be mistaken in predicting an unusually busy and prosperous season. It is not necessary to wait until you learn who is going to be the next president before you decide what to do. The dominant political policy affects many kinds of business, but the freshly laid egg and the toothsome broiler will be demanded just the same whether Mr. Bryan or Mr. McKinley goes to the White House. The poultry industry and the pigeon fancy are still in their infancy and the prospect is that for years their development will be rapid and defy the usual causes of business depression.

* * *

Our Frontispiece. The frontispiece of Langshan male is made after the drawing by Mr. Sewall, as adopted by the American Langshan Club. The frontispiece in the November number will be the companion to this plate.



CONDUCTED BY J. C. LONG, NEW YORK CITY.

THE SWALLOW.

A German Toy Pigeon of Ancient Pedigree.

BY FRED HEINTZ.

THE Swallow is of late regaining its at one time popularity. It is a pigeon of distinct peculiarities, and of ancient pedigree. Being without doubt the production of German origin, holding at the present day, as in the past, its undisputed claim of ranking first among German Toys. At this no surprise need be expressed since it is without doubt the prettiest in its marking and feather peculiarities of all the large family recognized at the present day as German Toys. In markings this pigeon somewhat resembles the common bird, the "Harbinger of Spring," especially so in regard to its head marking, and to this marking it is doubtless indebted for its name.

I would like to state, that as a member of the Swallow Club, I cannot accept its standard in its entirety. Considering the omission of wattle and eye-ceres; shape of head being wrong; favoring the substitution of the word small instead of medium, in regard to size; the omission of word white, in regard to bars in wing marking; the altering of head marking and the adoption of cup-shaped crest, I take this occasion to describe a first-class specimen of show Swallow as I think they should be and I would most respectfully submit my remarks to the members of the American Swallow Club and other breeders of Swallows, for their consideration, with the hope that they will see the advisability of altering the standard to conform with what I consider the true characteristics of the Swallow.

Having taken exceptions to some parts of the standard, I have done so with the feeling that it is to the advantage, and for the interest of the Swallow. For convenience sake I shall allude to their various properties in the order in which they appear in the standard with omissions in regards to colors, but adding wattle and eye-ceres.

CONDITION.—All specimens when in show form must be free from vermin, dirt, disease or broken feathers.

SIZE.—Small, when compared with other varieties. Being essentially a Toy pigeon, smallness of size is one of the undoubted properties of Toys.

SHAPE.—Broad in chest, having short neck tapering gradually toward the head. Body very plump and broad and flat across the back.

CARRIAGE.—Low in station, standing in seemingly crouched position, with head and shoulders well forward.

SHAPE OF HEAD.—Its head is of the dove-shaped type, stoppy over the wattle, roundish on front and on the crown (not flat on top).

HEAD MARKING.—To run in direct line with opening of beak, to the top of lower lid of eye (not through the center of eye), to a meeting point from side to side at the back of skull. All the feathers above the line should be dark, below it white, the upper portion will thus represent a close-fitting head-covering, called cap. The eye of the Swallow is so situated in its head that if you were to draw a line through center of eye it would terminate at one end nearly on top of wattle, at the other seeming about half way up the crest. According to my idea, they would not have sufficient marking upon the head to be in keeping with its heavy foot and wing markings. Again, starting at juncture of beak in the attempt to draw a straight line from there through the center of the eye the result would appear somewhat similar to an inverted "V," causing it to become a broken and irregular line, a feature especially to be avoided in breeding Swallows, as the greater part of their beauty lies in their regular and well-defined markings.

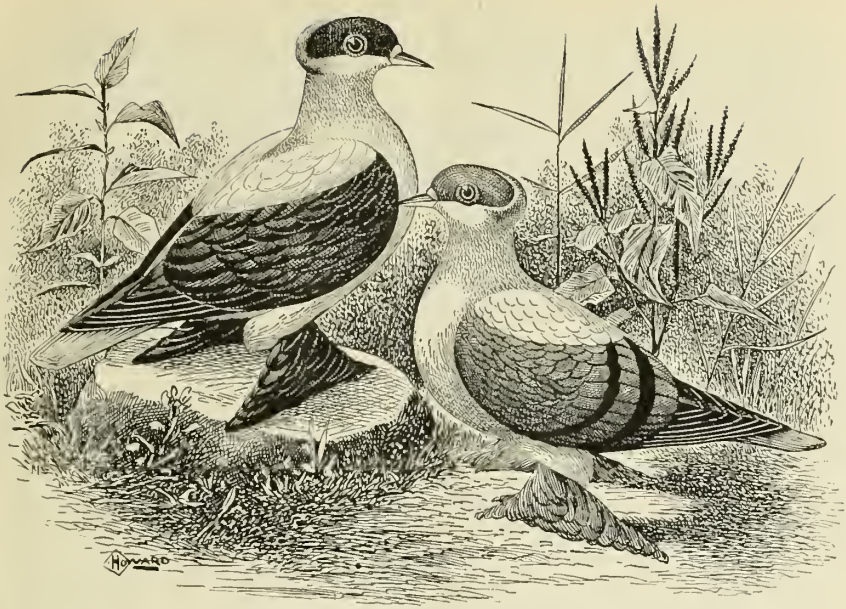
BEAK. — Long, straight, and quite slender, the upper mandible black, the under one flesh-color.

EYES.—Should be what are termed bull, quite large and full; a red or broken eye should be considered a bad defect.

EYE-CERES.—To be very fine in texture, thin and quite dark, showing just a small amount of skin.

WATTLE.—Very fine in texture, small and smooth, showing a whitish bloom.

CREST.—Cup-shaped (not shell crest), rising about one-quarter of an inch over the cap, showing a cup-like cavity, but not resting on or touching the head, be-



BLACK SWALLOW. BLUE SWALLOW.

ing somewhat similar to the head of the Jacobin. The crest should be wholly white, including its inner lining, and extend from the back of eye to eye, finishing off in small twist coils, representing a miniature rose or cushion on each side. All the reversed feathers, both at the base as well as at the sides of the crest, should be white. While I greatly admire a shell crest upon a pigeon, when in harmony with its other properties, that pigeon is not the Swallow. In dealing with the various properties of the Swallow, we must consider what bearing and effect one property has upon another. The Swallow being essentially a short and chubby-necked pigeon, and taking its anatomy into consideration, which plays no small and unimportant part in the general make-up of the Swallow, it will very readily be seen that a shell or upstanding crest makes the neck appear longer, and I may add the pigeon higher, thereby at once destroying one of its chief characteristics, viz., shape.

FEATHERING OF LEGS.–The foot feathers should be same color as wings and head, showing no grizzly shadings, but only to hock or knee joint, long as possible, standing well out either side, and pointing backwards. No bareness should be visible between the feet or on the legs. Hocks to curve gracefully around the thighs in a downward direction, nearly touching the ground, being quite wide and gradually tapering to the ends, with points neatly overlapping each other, free from foul feathers, and pro fuse in substance.

SHAPE OF LEGS.—Very short, and placed well back, quite far apart, so as to give a squatty, duck-like appearance.

COLOR.—In Blacks the color should be an intense and glossy black.

SADDLE OR BACK MARKING.—The saddle should be heart-shaped, perfectly white, broad and flat across at shoulder, and formed by a perfect, unbroken line, parting the saddle from the color of the wing, coming quite to a point over rump.

WING MARKING.—The color of the wing denotes the color by which the bird is known, and should in all barless varieties be of a solid, even color, entirely free from foul feathers either on the outside or inside. The color of the wing should line perfectly with the white of the saddle and be free from white feathers at the butts.

DISQUALIFICATION.—Trimming, plucking, coloring or any artificial alterations, decided mismarking or deformity, lacking in flights or tail feathers, or out of condition from disease.

I have mentioned only black in color purposely, for the reason that I wish to leave the other colors of Swallows and their sub-varieties for some fancier who is more capable than I am of doing them justice. Would also like to add that Swallows are very free breeders, excellent nurses, requiring no feeders. They are a very rugged and hardy variety needing no more than the ordinary care, doing very well in limited quarters, and

are not of a pugnacious disposition. Possessing many other fine qualities which should strongly recommend them to the favor of novices and veterans as well.

Feed Carefully.

The most experienced breeders agree that food for pigeons should be of the best. It is not reasonable to expect that pigeons should form any exception to the general rule and thrive on any sort of grain given at unsuitable seasons. A change of diet is not only agreeable to the birds but of much importance in the preservation of their health; but it should be borne in mind that a change of diet must not be made suddenly.

As a good Winter feed, a mixture of old tick beans, maple peas, and tares (or vetches) in about equal proportions will be found suitable for most varieties. As the breeding season comes around this diet must be changed, the importance of and the benefits to be derived from such a change depending much upon when it i made. The proper time to begin changing the diet of pigeons is at the time of, or soon after putting the birds together, but certainly before the first batch of younsters is expected, so that by the time they arrive, the parent birds have become accustomed to the change and are provided with an ample supply of veritable pigeon's milk with which to provide for the newly-hatched squabs.

Supposing the Winter feed to have been a mixture of beans, peas and tares, it is advisable, in making the change, to gradually omit the beans, and as gradually increase the tares and adding little by little equal quantities of old wheat and dari until the mixture is composed of about equal quantities of each ingredient. This will form a perfect feed for the breeding season for nearly all varieties. During very hot weather green food, lettuce, cabbage, etc., may be sparingly given with advantage.

Having pointed out the suitable food for pigeons for various seasons, a few words on the subject of unsuitable foods will not be amiss, as the importance in guarding against the use of such cannot be overestimated. From a somewhat lengthy list might be singled out maize or Indian corn, barley and hemp-seed as being unsuitable, both in theory and practice, as a gencral food for pigeons. Maize, although pigeons are extremely fond of it, is altogether unsuitable as a general food, especially to those kept in confinement, though it may in some cases be used sparingly during the breeding season as an inducement to the old birds to feed their young. Maize contains principally fattening substances, to the exclusion of those which are necessary for the formation of bone, muscle, blood and other animal tissues.

The objection to barley as a food for pigeons lies in an opposite direction, for one of its chief properties is heat. Pigeons that are kept in confinement are generally sufficiently hot-blooded, especially during the breeding season, without adding fuel to the fire by feeding barley.

Hemp-seed may be compared in its effects to brandy and water and should be used only when a "fillip" is needed and then only sparingly. A few grains now and then are beneficial in many ways but a regular dosing with hemp-seed should be discountenanced if success in the breeding loft is desired.

For the guidance of those desiring such information we give the following:

ANALYSES OF PIGEON FOODS.

	Albu-mi'ds	C'bo-h'd's	Fat	Wa'r	Ash	O'g'c Mat'r
Peas.....	20.2	54.4	1.7	14.3	2.4	84.3
Tares.....	24.8	48.2	2.5	14.3	2.7	83.0
Beans.....	23.0	50.2	1.4	14.5	3.1	82.4
Wheat.....	11.7	64.3	1.2	14.4	1.7	83.9
Maize.....	8.4	60.6	4.8	14.4	1.5	84.1
Barley.....	8.0	58.9	1.7	14.3	2.2	83.5
Hemp Seed..	12.2	16.2	30.2	12.2	4.5	83.3
Linseed.....	17.2	18.9	35.2	12.3	3.4	84.3

Overcrowding.

The inexperienced breeder cannot be too strongly cautioned against overcrowding the stud birds. Two or three pairs of most varieties are as many as should be allowed to occupy one compartment. Exception, however, might be made in the case of some of the smaller and more docile breeds, by allowing half-a-dozen pairs to go together. If this advice is taken and the breeding birds allowed ample space, it will be found that the percentage of youngsters will be all the greater.

350 Archangels For Sale!

☞Unsurpassed value for the money at $3.00, $5.00, $7.00 and $10 per pair.



Show or Stock Birds...

Always on top wherever exhibited, and have won all honors in a class of 48 birds, which represented the several prominent lofts of America in 1895.

Dark or Light Bronze...

☞Enclose stamp for reply. No postal cards answered.

GEO. G. FETTEROLF
Langhorne, Pa.



TRAINING HOMERS.

An Important Question for the Reflective Flying Fancier.

BY T. FRED GOLDMAN.

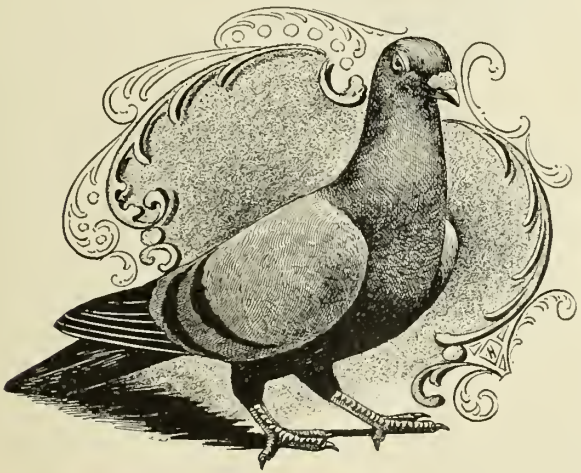
IN the deep consideration and study of this important and burning question the reflective flying fancier is confronted by a mass of conflicting testimony, exploded theories and contra-results, truly perplexing, and in this, like the feed and other leading questions, I do not think a single line of action can or ever will be followed as an authoritative prescribed course by the flying fancy and by all alike. Nor do I think it should.

Years ago we had many in the sport who either from precept or force of example, or habit in many instances, trained their young birds to all kinds of unreasonable distances simply because others did so, and with the one prime object in view, viz., "the enjoyment of the young bird race schedule," sailing along the usually senseless voyage for notoriety, so long as a plank remained, and with little or no thought as to the physical construction of such birds engaged, their fitness or their future.

The opinions of our leading flying men differ so widely upon this question of training young birds during their first year, and the distance to send them, that for me to quote them as authority would only produce for the young flying fancier, for whom these lines are written, the very stumbling block and perplexing theories that I wish to spare him.

Apart from the direct question of "should birds be trained during their first year?" all our best known authorities appear to agree, however, upon one point, in case the birds are to be trained, and that is to not overwork them, or give them distances to accomplish which even in fair weather tire out much older and stronger flyers, and in many cases render them unfit for future concourse work.

A bird in its first year can be very readily rendered worthless and become full of defects, the result of overwork, or a journey in bad weather and contra winds, scarcely noticeable to the average young fancier. The flying fancy has made very rapid strides the past few years, and one cannot fail but notice that the great majority of our fanciers are now more inclined to go slowly, discarding many of the old time notions and fads as barbarous and senseless, and outlining a course for the improvement and advancement of their stock prompted by a more intelligent conception of their bird's physical construction and capacity. Many now give thought to the moral condition of the bird as well as the physical, who formerly when a poor belated specimen got in after some days, worn out and thin, would not hesitate to jump it in a few days to the next flying



RECORD HOMER.

station, merely to get rid of it, and courting chance for its return, even after many days.

But a few years ago it was no uncommon custom to arrange the young bird race schedule up to 300, 350 and 375 miles, and many went beyond, in fact it was quite the custom with the New York, Newark and Philadelphia vicinities, and many fine and promising speedy racers, I'll be bound, were senselessly and cruelly sacrificed upon this altar of custom and ignorance.

When I now think of the very many superb youngsters I offered up as sacrifices upon the cursed altar of "greatest distance in the day" I shudder, and rejoice at the improved state of things of the present day when 200 miles is only flown by some and discarded by a greater number.



The accomplished, speedy and reliable racer is the result of the fancier's handiwork, in the same sense as that of the race horse and greyhound, and the reliable pair of original breeders of opposite blood merely the lucky hit that gives the fancier the working material to build up.

I am a firm believer in training young birds during their first year, and base my belief upon my own personal experience and my close observation of that of others. But in training I do not mean to endorse the custom in vogue with our flying clubs, and particularly from distances beyond 100 miles. I have trained young birds up to a 75 mile station personally, and gone into the club races up to and including 200 miles with some, and done it well, but keeping home a portion trained but 75 miles for the Spring old bird races following.

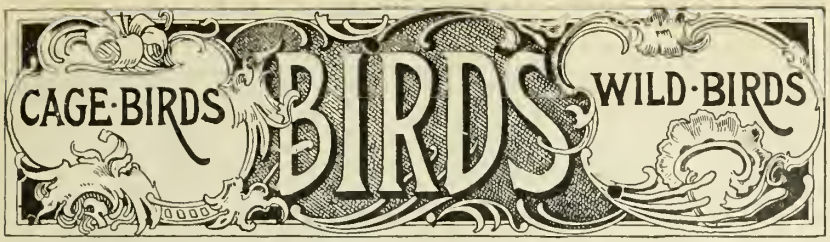
These birds I have invariably found next year superior to those who as youngsters have been worked up to 200 miles, even when the entire race schedule up to this point has been worked favorably.

[To be continued.]

Points of the Homer.

Of the Homing pigeon it may be stated with truth, that the three most valuable points are invisible, and only to be proven by the test of training. These are good sight, retentive memory and pluck. Second in importance to these are the points of structure: A body broad in front tapering off narrow behind; the chest deep and breast-bone straight; the wing very strong at the shoulder and so set on that there will be no gap between it and the bird's body when it is at full stretch; the flight feathers broad, stout, flat and rounded at tip, the webbing close, the quills stout, in position overlapping, and not too long, but as deep as possible; tail longer than the wings when at rest, narrow when closed, broad when open; body feathers close and hard; the head nicely rounded; eye dark red or pearl; very little eye or beak wattles (except in aged specimens) the former, thin and smooth, the latter, white and smooth; beak, black of medium length; legs, rather short, as long legs are an impediment to flight, especially when the bird is fatigued. These are the chief points in a working Homer. The sense of sight it possesses to perfection; its capacity for hearing excellent, for the least sound arouses and disturbs it. Its fecundity is extraordinary; its memory prodigious, its fideldity proverbial; it is without doubt the most useful, intelligent, charming and indefatigable of the domestic pets. It may be proclaimed the bird par excellence, as its superiority of instinct and organization places it far beyond all other class of birds. It is with good reason that it has been called the "Courier of the press," and no other variety to-day can boast of so many friends as the Homer.—LLEWELLYN.

The national pastime in Belgium is pigeon racing.



CONDUCTED BY DR. F. H. KNOWLTON, U. S. NATIONAL MUSEUM.

THE CAROLINA PAROQUET.

The Only North American Representative of the Parrot Family.

BY DR. F. H. KNOWLTON.

WITH the exception of a rare straggler across the Mexican border, this little Parrot or Paroquet is the only representative of the group of Parrots found inhabiting North America. They are handsome little birds about thirteen inches long, with the head and neck yellow, the forehead and sides of head orange-red, the body and tail green with the belly tinged with yellow, and the wings green and yellow, the edges tinged with orange-red. In young or immature specimens the yellow of the head and neck is replaced by green.

Formerly the Carolina Paroquet was abundant throughout the entire Mississippi Valley, Gulf States and Southern Atlantic States, north rarely to Michigan, Maryland or even to Albany, New York, and regularly to Ohio, Indiana, Illinois, Nebraska, west to Colorado and Texas. At the present time, however, they are almost exterminated, existing in comparatively restricted localities in the lower Mississippi Valley and Gulf States. Perhaps they exist in the western part of the Indian Territory and South Florida in greater numbers than elsewhere, but they have grown exceedingly shy and are now rarely seen.

During the early part of this century and indeed as late as 1840 or 1850 they were still numerous in many places. They were sociable birds and went about in flocks, being especially fond of the great cypress swamps of the South. Nuttall, one of America's pioneer ornithologists, wrote of this as follows: "The flocks, moving in the manner of wild pigeons, dart in swift and airy plataux through the green boughs of the forest; screaming in general concert, they wheel in wide and descending circles around the tall buttonwood and all alight at the same instant, their green vesture, like the fairy mantle, rendering them nearly invisible beneath the shady branches where they sit, perhaps arranging their plumage and shuffling side by side, seeming to caress and scratch each other's heads with all the fondness and unvarying friendship of affectionate doves. If the gun thin their ranks they hover over the screaming, wounded, or dying, and returning fly around the place where they miss their companions, and in their sympathy seem to lose all idea of impending danger."

The principal food of the Paroquet seems to have been the cockle-bur, which grows abundantly in the river-bottoms. This plant is a very pernicious weed, and these birds were held in high esteem by the farmers for their destruction of it. They also ate pecans, acorns, beech nuts, haws, berries of the black gum, persimmons, and blackberries. In Spring they became very destructive to orchards, biting out the shoots and eating the blossoms and young fruit. In Summer and Fall they fed on fruit and grain, such as apples, cherries, wheat, etc. They often seemed to destroy fruit and grain for the mere sport of it. They plucked the half-ripe apples and taking perhaps a single mouthful, threw them to the ground. In this way a whole orchard would be ruined, and it was not much wonder that the owner took advantage of their unsuspicious nature and exterminated them. It was only necessary to wound one or two, when the whole flock could be secured.

Their nests were usually in holes in trees, rarely in the forks of branches. The eggs were from three to five in number and pure white.

These birds spend the night in a very peculiar manner. They select a hollow tree, inside which they hang themselves in rows by the bill and feet, like so many garments hanging on pegs. In the Smithsonian Institution is a beautiful mounted series of these birds, one case being a section of a huge hollow tree with nearly a dozen birds hanging inside by their beaks. These Paroquets were readily tamed, and soon became much attached to those with whom they were associated or by whom they were supplied with food. Nuttall says: "It soon learns to recollect its name and to answer and come when called. It does not, however, evince much, if any, capacity for mimicking human speech

or sounds of any kind, and as a domestic pet is very peaceable and rather taciturn." On the whole it is much to be regretted that these beautiful birds appear to be on the verge of extinction, but their destructiveness to fruit and their bright colored plumage have apparently rung down the inexorable curtain of fate and the end of the act can hardly be far off. By the kindness of Mr. Robert Ridgway, of the Smithsonian Institution, our illustration is taken from a mounted group in the Smithsonian collection, showing the birds gleaning from their favorite cocklebur.



GROUP OF CAROLINA PAROQUETS.
From mounted group in the Smithsonian collection.

Accidents to Birds.

It seems almost incredible that a bird should break its wing in midair by the mere exertion of flight; yet four such accidents have been reported within the last two or three years. A gentleman while out Quail shooting near the Pyramids flushed an Owl, and mechanically raised his gun, without any intention of firing, when to his utter surprise, the bird twisted in its flight and fell to the ground as if shot. On examination, the astonished sportsman discovered that the poor Owl had broken its wing. Sportsmen have more than once, when out shooting, seen a bird fly for upward of a hundred yards before the fractured bone of a broken wing had become displaced. An amusing incident once happened to an old shepherd with the spirit of the poacher strong within him. He saw a covey of Partridges coming along, and having a sudden watering of the mouth, lifted his walking stick and took deliberate aim at one of the birds. To his utter bewilderment, it fell in the most orthodox fashion and after rolling over began to run as a winged Partridge only knows how. It had just come from a bayou where its wing bone had been splintered by a stray shot.

When writing our advertisers always mention THE FEATHER.

Studying Bird Migration.

A large land owner in Russia is making a study of the migratory habits of birds. To all those he can capture he attaches a note in Russian, German, French and English, asking whoever may find or kill them to let him know the country to which they had flown. Not long ago he received a letter informing him that a certain Crane bearing his address had been captured. It was Slatin Pasha into whose hands it had fallen, and he stated that he had been unable to fulfill the request until after his release from captivity.

It is said that a covey of Partridges will, for some unexplained reason, upon occasion, fly right out to sea and alight on the waves with as little apparent concern as they would in a turnip field, though every single bird among them is certain to perish by drowning.

The second volume of Maj. Bendire's magnificent "Life Histories of North American Birds" has just been published. It is illustrated by eight beautiful colored plates of the eggs of the birds mentioned.

THE FANCIERS' BUDGET.

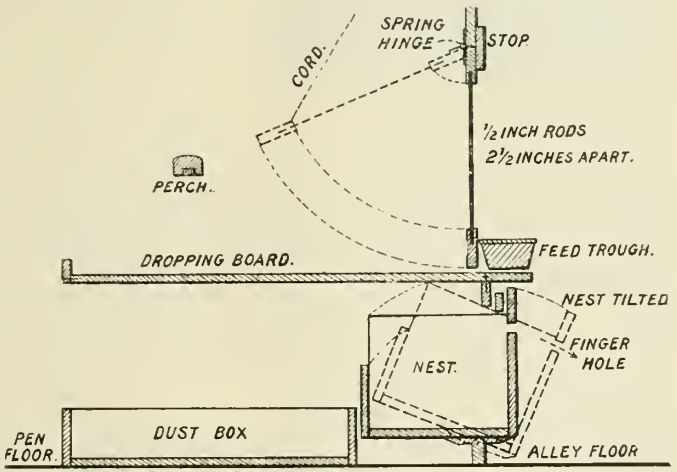
Communicated Items Carefully Selected for The Feather's Readers.

Easy and Practical.

FARMER, N. Y.

Editor The Feather:

I have been interested in your most beautiful and excellent poultry, pigeon and bird magazine THE FEATHER. You will, perhaps, pardon me when I say I had fears that although it made so brilliant a beginning it might share the fate of some other new publications devoted to the poultry interests of our land. But I am much pleased to notice the continual and increasing progress that it has made from the very start, until now, at one year of age, it stands in the front rank of all publications of a kindred nature in the United States, or even in the world. I send you herewith a rough sketch of my ideal manner of constructing henhouses so as to make it easy and practical to do nearly all the work from the alley. If you consider it sufficiently meritorious to appear in the columns of THE FEATHER I shall be pleased to have you use it, provided your artist will put on the finishing touches to make it look well, as I am a poor pencil artist and do not know how to make a drawing fit for publication.



MR. RAPPLEYE'S PLAN FOR IDEAL HOUSE.

The perch is made of two by three inch material and has a shallow groove in its under side. In this groove is fastened a lamp wick of the proper width, for the purpose of retaining the kerosene, etc., with which the perch should be drenched occasionally to avoid mites. To gather droppings, remove feed troughs and by means of the cord and pulley (above) draw the hinged portion of partition up to position shown by light lines. In very long houses have a track laid in alley floor and have carbar extend under edge of dropping-board.

Make troughs for feed, grit, water, etc., of galvanized iron or tin. Nests are plain boxes fifteen by fifteen inches, with front sixteen or eighteen inches high, and back only six inches high. Two narrow strips, with one-half inch circle depressions cut in them to engage with the round-edge strip on the floor, to act as hinges, should be nailed on each nest box. Finger holes are cut through the front of nests near the top, to tilt nests outward. To open one nest at a time, insert the fingers and pull toward you. To open all of the nests in one pen at one time, extend the fingers through far enough to grasp the loose strip on top of nests, between front of nest and strip nailed to under side of dropping platform, and pull toward you.

The nests may be removed by tipping out slightly, and lifting up enough to free notched cleats from strip on floor. This also gives access to the dust bath box, to clean and refill. When eating, the birds stand on the front side of platform and reach their heads through between the round rods in the swing portion of partition.

In case you can use this sketch to advantage I may send you later sketches of some of my other appliances that I like very much in use. With best wishes for you and your inimitable FEATHER I am, Fraternally,

F. A. RAPPLEYE.

An Interesting Letter.

FITCHBURG, CAL.

Editor The Feather:

We received THE FEATHER for August. We are doing very well in the chicken business this year, although

we have not realized much money. We have succeeded in raising about 600 little chicks and are still hatching. We have three acres, one in pears, which brought $50 last year to the parties who had the place then. This year the fruit is not nearly so nice and will not bring us more than one-half that amount, but it is because we were ignorant about the care of the orchard. We have been busy getting two or three broods of chicks and a hatch of fifty from the incubator settled. We have over one hundred little chicks with hens, which require a great deal of attention to keep them fed, watered, and last but not least by any means, free from lice, which are a terrible pest at this time of year.

We have three pens of fine White Plymouth Rocks for breeding, and one of White-faced Black Spanish with a Minorca cock, which makes a very good cross, and much stronger than the White-faced Spanish alone. They are No. 1 layers, but the male birds are not good for table fowls. The Plymouth Rocks are the finest for the table. We sell many for broilers and roasters at a very good figure.

We hope next year to begin to lay up some money. It takes a discouragingly long time to get a fair start in the chicken business. Next month it will be two years since we began, and the only way we are ahead is in the number of chickens we have raised. We have about three dozen Pekin ducks, three geese and six Bronze turkeys, all of which we have raised this Summer.

Yours as Ever,
E. J. F.

The above interesting letter is from one of our lady subscribers in California. She started in the poultry business about two years ago in a small way, and is gradually working to success. Those who are inclined to be discouraged with their first experience in raising poultry, should profit by this lady's experience.—ED.]

For Scaly Legs Too.

WASHINGTON, D. C.

Editor The Feather:

The September number of THE FEATHER has an article in it by Dr. D. E. Salmon on "Scaly Legs." For the benefit of poultrymen I would say use Lee's Lice Paint on your roosts and dropping boards. This I know for myself will cure mange or scaly legs. It is also sure death to lice. My neighbor, Mr. Jno. M. Allen, the Black Minorca breeder, some time since painted his roosts and dropping boards. The next morning we paid a visit to his poultry-houses to see what effect the paint had on his fowls. To our surprise there was not a louse on them and on the dropping-boards there was a powdery substance that resembled small particles of frost. This I took to be the powdery substance produced by scabies. I was so well pleased with the result that I have used nothing else since and have had just as good results.

Respectfully,
JOHN E. BARDROFF.

The above letter is from one of our subscribers in behalf of the virtues of the remedy which one of our advertisers is offering to the public. The testimony is freely given and it affords us pleasure to publish such frank and unsolicited remarks as above, and believe it due our advertisers one and all.—ED.]

Transfer.

CHICAGO, ILL.

Editor The Feather:

Kindly insert the following transfer in your paper and oblige:

From my loft to F. J. Spies, Jr., Creston, Ia., my three best pair of Black Fantails. Included in this sale are "Koon," "Midnight," "Black Jack" and "Mrs. Black," all prize winners of no small note in America. The above four birds carried off four firsts, two seconds and one third, also two silver cups.

Yours Very Truly,
DAN E. ROOT.

An Ohio Show.

MIAMISBURG, O.

Editor The Feather:

The first annual show of the Miamisburg Poultry Association will be held in this city December 15-19, 1896. We will have a large list of valuable and attractive Specials and the Association will offer Twenty Grand Silver Cups on best collection in each standard kind.

Fraternally,
OLIVER L. DOSCH,
Secretary.

Their First Annual.

WEST ATLANTA, GA.

Editor The Feather:

The first annual exhibition of the Atlanta Poultry Association will be held at Atlanta, Jan. 7-13, 1897. Following is the list of officers: J. M. Wallace, President; "Whack" Bailey, Vice-President; R. O. Campbell, Treasurer; A. Bertling, Secretary; H. A. Inman, H. A. Kuhns, G. M. Downs, J. H. Davis, A. Bertling, R. O. Campbell, "Whack" Bailey, J. M. Wallace, Directors. The premium list will be published at an early date.

Fraternally,
A. BERTLING,
Secretary.

"GOOD BYE LICE."

Send twenty-five cents (stamps) for formula for liquid equal to Lake's, Lee's, or any other. Materials cost but a few cents a gallon at any drug store. Paint roosts, boxes, etc., it will do the rest. Mention The Feather. CHILDS & CO., Druggists, 205 Summit Street, Arkansas City, Kansas.

THE BUSINESS WORLD

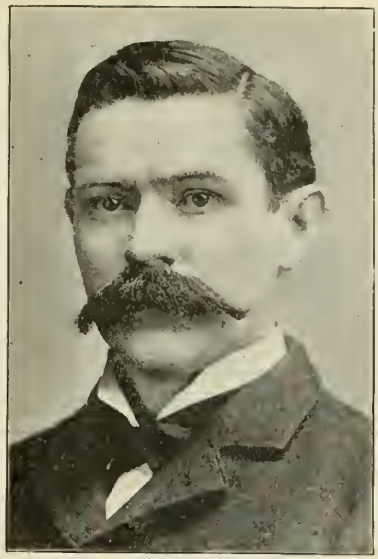
As Viewed From the Columns of The Feather.

PRIZE WINNING BROWNS.

Dr. H. W. Dorsey, Hyattsville, Md., has been exceptionally successful in breeding this season, and he finds himself handicapped by lack of room. He is offering one hundred fine birds for sale at almost market prices. Those who have watched the show records, know how capable the Doctor is to win in the strongest company. His record is phenomenal and his birds are recognized winners. If you want good birds now is your time to get them, and we dare say if you do not buy now you may regret it afterwards. See his ad. and read what bargains he is offering in Single Comb Brown Leghorns.

A VALUABLE BOOK.

Mr. Edward S. Schmid, of this city, has just issued his new catalogue for 1897. The catalogue is one hundred pages with cover, and contains two hundred and fifty illustrations. It is printed on calendered paper, and is bound in rose coated paper. Every department of his Emporium of Pets is carefully shown at great length. The first chapter is devoted to canaries and cage birds. Each variety of birds is described with care, the habits, diseases, and feeding, together with suitable caging is told in full. The chapter on parrots is very valuable and will prove of much interest to all lovers of these birds. Aquaria and supplies follow with an elaborate description of the aquarium, the care and management and the various kinds of fish and plants. This chapter is complete in itself to aquarists. The pet stock department treats of dogs and dog diseases, together with all kinds of supplies, as combs, brushes, harness, muzzles, leads, bells, whips, etc. The characteristics of each breed of dogs is given, with their points of excellence as known to the expert breeder. Cats are included in this department, a splendid description of the popular Angora is nicely given. Much space is devoted to rabbits, their care and diseases; guinea pigs, squirrels, and ferrets, white rats and mice, monkeys and chameleons. The pigeon department follows that of pet stock. The varieties of pigeons are shown and their diseases are given in full. The last chapter is given to poultry raising and incubation. There are books sold for twenty-five cents that do not contain as much information as this chapter alone. Things of interest to the practical poultryman as well as the fancier are told in this department. As a whole it is safe to say that such a book has never been published before



EDWARD S. SCHMID.

and anyone interested in pets cannot well afford to be without it. It is practically invaluable to those interested and will be fully appreciated when seen. Mr. Schmid made the effort of his life when he published this book; it will enable those who have never seen his mammoth establishment to judge of the large and enterprising business which he has conducted in the National Capital for the last twenty years. If you send him six cents to pay the postage he will send this valuable book to you. See his ad. on third page of cover and write him without delay for a copy of it. It will be the cheapest thing you have bought for a long time.

$3000 GIVEN AWAY.

Do you wish to get your advertising free of cost in a high-class weekly poultry publication? If so send a postal card, giving your name and address, to *The American Fancier*, Johnstown, N. Y., and get full information as to how to secure your share of $3,000 worth of advertising which is to be given away.

A CHANCE FOR YOU.

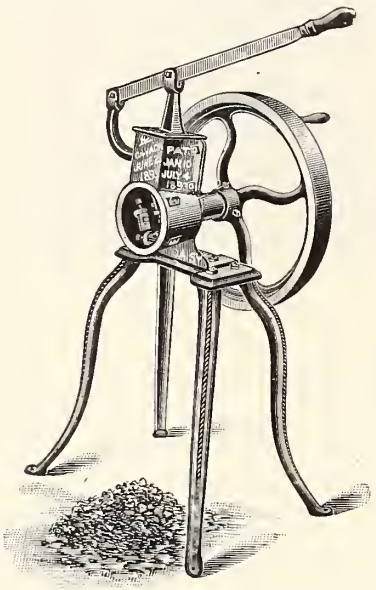
Mr. Theo. E. F. Holzhauser, proprietor of the Broad River Poultry Yards, located at Columbia, S. C., breeds Silver Laced Wyandots exclusively. He is now offering excellent breeding birds from $2.00 upwards. This low price should enable almost anyone to get fine birds for breeders. He has a few fine exhibition birds for sale. Write him for prices and wants and tell him you saw his ad. in THE FEATHER.

A RARE CHANCE.

Black Langshans' merits must be evident to readers of this number of THE FEATHER. As ill-health prevents Mr. W. H. Rhees from living in the East, he offers his entire stock of *Langshans* for sale at a low price. This stock won prizes at last Washington Show and are large, vigorous birds and great layers. See advertisement in another column.

THE WILSON MILLS.

So much has been said as to the merits of the mills manufactured by the Messrs. Wilson Bros., Easton, Pa., that little



THE DAISY BONE CUTTER.

else seems left for us to tell. Green cut bones are needed for egg production; in Winter, fowls must be fed organic substances like bones and shells to supply the system with bone making and egg producing material,or else eggs will be scarce. The Wilson Mills are just the things for supplying this class of food. The "Daisy" and "Crown" bone mills are simple in construction, easy to operate, and perfect gems for doing the work required of them. These mills cut the hardest bone with but slight exertion on the part of the operator, and labor is reduced to a minimum. These gentlemen also make the "Gem" Clover Cutter,an invaluable machine to poultrymen; Shell and Corn Mills,Farm Feed Mills,Powder Mills,etc. If you keep poultry and have no bone mill, it would be well for you to write them for circulars and prices. You have nothing to lose and everything to gain by so doing. See their ad. elsewhere in our columns.

BIRDS THAT WIN.

Mr. A. W. Marburger, Denver, Pa., has a strain of Barred Plymouth Rocks that win in strong company. At the late Mt. Gretna Show he won first on cock and cockerel. He has many fine birds for sale and no doubt you will be able to get just what you want if you write him. See his ad. and write him for his prices.

SENT ON APPROVAL.

Mr. C. A. Lines, Charles City, Ia., is offering for sale some superb Cornish Indian Games and B. B. Reds. He has so much confidence in pleasing you that he will send his birds on approval. Read his proposition in his ad. and we are confident if you want good birds you should not hesitate now in ordering from him.

SPECIAL INDUCEMENT.

The J. W. Miller Co., of Millhook Farm, Freeport, Ill., are offering their surplus stock of young fowls at special low prices as an inducement to those who wish to place their orders now. They breed all of the leading varieties of fancy poultry and their stock is first-class. This special inducement is made in order that they may reduce their stock before placing them in Winter quarters. Write them for what you want and get their prices.

JACOBINS ONLY.

A high-class Jacobin is one of our prettiest pigeons. They are one of the most stylish and aristocratic birds we have. In the show room they are magnets of attraction and crowds are seen around their coops always. Mr. C. A. Koehler, Brooklyn, N. Y., has been very successful with raising Jacobins, and breeds them exclusively. He advertises a few choice birds for sale at moderate prices. Enclose him stamp for reply and ask him for best cash prices. See his ad.

A STRING OF WINNERS.

Dr. W. A. Gibson, Jackson, Mich., has recently purchased the ten best pairs of Dark Bronze Archangels from the lofts of Mr. Geo. Crockett, Concord, N. H. These fine birds added to his already large loft of prize-winners, gives him what is, perhaps, the best collection of Dark Bronze Archangels in the country. In Magpies as well as Archangels, Dr. Gibson has a long list of prize-winners in his lofts at the present time. Besides securing many of the leading winners of this country, he has recently purchased of Mr. J. Shillingford, Oxford, England, five pairs of Magpies, including Blacks, Reds, Yellows, Blues and Silvers. The Black Magpie cock won first at Crystal Palace Show, and second at Magpie Club Show, twenty-seven entries. At

Crystal Palace Show he defeated the cock that won over him at Magpie Club Show and besides this he won many other prizes. He is an 1895 bird. The hen won first and special for best Magpie in show at Burkenhead, third at Crystal Palace and second in team at same show. She has also won many other prizes and is an 1895 hen. The Yellow hen won second at a leading show, and the Yellow cock is an 1896 cock, but a very high grade show bird. The Reds, Blues and Silvers are all bred from challenge cup winners and should prove very valuable stock birds as they are of fine style. It will be well for those desiring fine birds to read the ads. of Dr. Gibson, elsewhere in our columns and write for his special low prices to our readers, mentioning THE FEATHER.

IT IS A PEACH.

The month of October is known on the calendar to a good number of poultry and pigeon fanciers, as the Hagerstown month. THE FEATHER thought so much of the same month that it was selected as a fitting time to make its debut. One year ago the first number of THE FEATHER was distributed at Hagerstown, and it will always be our hope that the day and date may be fittingly celebrated at the greatest of all shows in this Union of ours. The ad. in this issue tells the tale and the genial superintendent, Mr. John L. Cost, writes us that it will be the greatest show they have ever held. The saying is that it will be a peach, but we are sure the cream will be added before it is over, if we are any judge of persons or things. It is worth any one's time to spend a day or more at this show; the best is to be seen there and everybody is certain to be pleased. If you have not made up your mind to go, when you read this, let us impress upon you the importance of attending, we are confident you will not regret it, and for once in your life you will see peaches and cream in fine poultry and pigeons.



JOHNL. COST.

GOOD REMEDIES.

The Imperial Remedy Co., begin advertising in this number, and introduce their valuable remedies to our readers. It will, no doubt, be to your interest to know just what remedies this company has, so that when your pets are sick you will be fully prepared to attend to their ailments. Forewarned is forearmed in this case. It is not advisable to wait until your valuable pet is stricken down before you begin to wonder what you are to do in the matter. It is easier to know first and then when the time comes, you can go about the case without any hesitation whatever. Good, practical remedies should be always at hand, and the dangers of sickness are considerably lessened. See their ad. and write for their descriptive catalogue of remedies.

BARGAINS FOR YOU.

You will notice on one of our ad. pages, the new ad. of Mr. F. H. Wood, Dryden, N. Y., the well-known importer and breeder of Black Minorcas. Mr. Wood has purchased this space to offer his bargains in superb Black Minorcas. If you will remember, we gave a description of his stock and his imported "Royal" in the September number. He is now prepared to sell you birds from this stock at great bargains. Glance at his ad. and read the prices he offers; if you are looking for Black Minorcas he can accommodate you.

THE BEST STRAINS.

Among the new ads. in this issue is that of Mr. G. A. Fick, of Baltimore, Md. Mr. Fick is well-known to all pigeon fanciers as a breeder of Magpies and Swallows. He has been a winner in many leading show rooms and has stock that is of the best strains of the world. He has numerous imported winners in his lofts. His specialties are two of the most popular varieties of the pigeon fancy; he has them in all colors. While his stock is of the highest character, his prices are the lowest. He is now beginning to sell his surplus stock and if you intend buying Magpies or Swallows, read his ad. and write him for his low prices. You will no doubt be surprised at their reasonableness.

STYLISH FANS.

Dr. R. H. Evans, this city, resumes advertising with us. He has had such a prosperous and successful season in breeding, that his loft is over-stocked and he must thin it out. The Doctor has some grand birds for sale at prices within the reach of all. The blood in his loft is aristocratic in the extreme, and you will not go amiss when purchasing birds from him. See what he advertises and write him for prices. A better time could not be had to purchase prime birds at low prices. He has winning stock, and he only keeps royally bred and royally raised birds.

POLAND CHINA PIGS.

Mr. Chas. A. Kuhlmann, Hamilton, Loudoun Co., Va., has changed his ad. in this issue. He writes that he has some grand Poland China Pigs and Barred Plymouth Rock chicks ready to ship. Mr. Kuhlmann has had consider-

able success with raising stock this year and he offers inducements to buyers to suit the times. Write him for his prices.

The Suffolk County Fair.

Editor The Feather:

I herewith send a brief report of the Suffolk County (Long Island) Fair. There were about seven hundred entries of poultry and pigeons. The quality was better than last year, but there were not as many birds, owing to the reduction in premiums and no cash prizes being offered on breeding pens of chicks. The largest exhibitors were Messrs. W. B. Sherry, O. W. Hubbard, S. A. Ranger, and G. C. Morris.

Among the winners were E. L. Miles, on Barred Plymouth Rocks; G. C. Morris, on White Plymouth Rocks and Silver Wyandots; S. A. Ranger, on Rose Comb Minorcas; Joseph Murphy, on Black Langshans, and Herbert W. Smith, on Single Comb Brown Leghorns.

J. C. Long judged the poultry and gave general satisfaction.—ELLIOTT.

When writing our advertisers always mention THE FEATHER.

TOO LATE FOR CLASSIFICATION.

LIGHT AND DARK BRAHMAS. W. Q. Minturn, Amity, Orange Co., N. Y. At the great Orange County Fair—Pen Light Brahmas, second; pen chicks, first; hen, second; pullet, second; cockerel, second; pen Dark Brahma fowls, first; pen chicks, first; hen, third; in competition with our best breeders.

WINNERS of 1896 at New Jersey State Fair, Bethlehem, Mt. Holly, Trenton and Danbury (Conn.). I am not situated so I can keep them and will sell the following at half price: White, Colored and Sandwich Muscovy, White Crested and Aylesbury Ducks, African Geese, White American Dominiques, Black Leghorns, Black Hamburgs, R. C. White Leghorns, Silver Bearded Polish, Leghorn Bantams. All kinds of pet stock and pigeons. PRALL DILTS, Jamesburg, Middlesex Co., N. J.

A Business Chance.

WANTED.—A lady or gentleman, with $500 to $1000, in the broiler and egg business, by an expert operator of incubators and brooders, who is thoroughly acquainted with the Washington, Philadelphia and New York markets. Location of plant in the District of Columbia. This is a splendid chance for a profitable investment. Would take the management of a poultry plant near Washington. Address MANAGER, care of The Feather.

A Complete Outfit.

FOR RENT.—A fine poultry plant at Twining City, D. C., within two miles from the center of the National Capital. A splendid location, good water, and every convenience of a modern home and poultry and broiler business. A good, 4 room house with a cellar 18 x 24 ft. within 50 yards of plant. 3 new and latest pattern Prairie State Incubators (2, 400 eggs capacity and 1, 300 eggs capacity.) The No. 1 brooder house is 100 feet long and 12 feet wide, with wire covered pens, and has 15 pens inside. The No. 2 brooder house is 45 feet long and 13 feet wide. The system used is the Prairie State Hot Water System. Two sectional brooders, which accommodate 600 chicks; the house accommodates 600 more chicks. The house for laying hens will accommodate 300 fowls. There is also one small duck house and pond.

The entire plant will rent for only $600 a year, and as long a term given as may be desired. Call on or address EDWARD S. SCHMID, 712 Twelfth Street N. W., Washington, D. C.

PLYMOUTH ROCKS That are Barred ..to the Skin..

W. H. OVERBAUGH, JR., Hanover, Pa.

Home of the True Blue Barred Plymouth Rocks and Buff Leghorns (Arnold strain). A fine lot of Buff cockerels for sale. At Hanover Fair I won first, second and special on Plymouth Rocks. Stock for sale at all times. Eggs, $1.50 per 13; $3.00 per 30. Catalogue free. Mention The Feather.

...Subscribe Now

o o o

THE FEATHER

At 50 cents a year is the Cheapest Poultry Journal in existence. Its leading articles are written by authorities of world-wide reputation. Its illustrations are a special feature beyond comparison with anything attempted elsewhere.

THE PUBLISHERS

Are determined that the circulation shall continue to increase in the future as in the past. For a short time only *three* copies will be sent **One Year for $1.00.**

SPECIAL PREMIUM.

We will send Mr. Howard's beautifully illustrated new book entitled "American Fanciers' Poultry Book" *free* to every one who remits $1.00 for *two* annual subscriptions.

AGENTS WANTED.

In all parts of the United States. Big wages can be earned. Send for confidential circular and terms.

George E. Howard & Co.

Room 353, Central Power Station, Washington, D. C.

FOR SALE

A few choice Rose Comb Brown Leghorn cockerels (James Forsyth's strain). These cockerels are dandies and will make good breeders.

P. S.—Also 10 Barred Plymouth Rock cockerels (E. L. Miles' strain). Weight about 6 pounds now. Address

S. A. Ranger,
Sag Harbor, Suffolk Co., N. Y.

The best place to buy

Fine singing Canaries, Mocking Birds, Talking Parrots and all other Fancy Cage Birds, Goldfish, Globes, Aquariums, etc. Fine bred fowls, Fancy Pigeons. The largest and best selected stock at lowest prices. Send for catalogue.

319 Market St.
46 N. Ninth St.

H. W. VAHLE, Philadelphia, Pa.

FORTUNE KNOCKS ONCE AT EVERY MAN'S GATE:

CLASSIFIED ADVERTISEMENTS

Fully prepaid advertisements of six lines or less inserted under this heading at the following rates:

One time	$ .50
Three times	1.00
Six times	2.00
One year	4.00

PLYMOUTH ROCKS.

PLYMOUTH ROCKS—Barred and White. Hundreds of fine breeding and exhibition birds for sale; bred in line for years from high scoring stock. Also Buff Cochin Bantams. Write for prices on what you want and mention THE FEATHER. F. J. MARSHALL, Middletown, Ohio.

RIDGELY'S BARRED PLYMOUTH ROCKS are going to the front. They have won wherever shown, and are going to win again. Birds and eggs for sale. JOSEPH PHIPPS, Manager, Towson, Md.

FIRST cock and first cockerel on Barred P. Rocks at the big Mt. Gretna Show, Sharpe Butterfield, judge. The finest line of cockerels I ever raised at reasonable figures. Describe just what you want in color, etc. A. W. MARBURGER, Denver, Pa.

FOR SALE.—Farm-raised Barred and White P. Rocks, Silver and White Wyandottes, Cornish Indian Games and Bronze Turkeys. Eggs in season. Stock for sale at all times. Address ALBERT F. FIRESTINE, Box O, Logansville, Ohio.

WILSON'S FIRST PRIZE WINNING BUFF PLYMOUTH ROCKS. World's Fair, '93; Troy, N. Y., '94; New York, '95. At the recent New York Show won 1st, 2d and 4th cock; 1st, 3d and 4th hen; 1st and 3d cockerel, and 3d and 5th pullet. Eggs, $5.00 per 13; discount on two or more sittings. J. D. WILSON, Box 127 C, Worcester, N. Y.

BUFF PLYMOUTH ROCKS EXCLUSIVELY Clean sweep at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

HILLSIDE POULTRY YARDS.—GEORGE SCHRADE, Sykesville, Md., breeder of thorough-bred Buff, Barred and White Rocks, Buff Leghorns and Cornish Indian Games. Show birds a specialty. Breeding stock at reasonable prices. My stock is second to none. Satisfaction guaranteed.

BUENA VISTA POULTRY YARDS. Barred Plymouth Rocks, S. L. Wyandottes and S. C. Brown Leghorns. Winners wherever shown. Eggs in season. Write for wants. FRED. KLOOZ, Nashville, Tenn.

LEGHORNS.

FIRST AWARDS AT BOSTON

Also at Newburg (3500 birds shown), Rochester (3100), Scranton (2000), Binghamton (1000 and Hackensack (700). Buff Leghorns, Golden Wyandottes and Buff Plymouth Rocks. Illustrated circular for stamp. Eggs $3.00 per 15; or stock. CLIFFORD W. BEMAN, Port Dickinson, N. Y.

STOCK FOR SALE. If you wish to buy a Single Comb Brown Leghorn cockerel write me before buying elsewhere, as I have some very choice birds, bred from my prize winners at Troy and other leading shows. Also some breeding hens one year old, scoring from 90 to 93, at $1.00 each. CHAS. H. PARISH, Oneonta, N. Y.

S. C. WHITE LEGHORNS. Have been a breeder of this beautiful variety for twenty years and can sell you the best of breeding in *Choice Show or Stock Birds* at reasonable prices. DR. W. A. GIBSON, Jackson, Mich.

S. C. B. LEGHORNS—Winners at Rochester, Hamburg and Binghamton. Rich color, pure white lobes and true Leghorn shape. A fine lot of youngsters ready for the early shows. Mention The Feather. W. B. GERMAN, Specialist, Dansville, N. Y.

BRAHMAS.

DR. S. C. MOYER, Lansdale, Pa. Breeds L. Brahmas, B. Cochins, B. P. Rocks and W. and S. Wyandottes. Choice stock for sale.

COUNTY LINE POULTRY YARDS breed the choicest strains of Light Brahmas, Barred and White Plymouth Rocks, S. C. Brown Leghorns, Mammoth Bronze Turkeys, Toulouse Geese and Rouen Ducks. Stock for sale. Eggs in season. Send for price list, with prizes won. A. C. BARLOW, Millers, N. Y.

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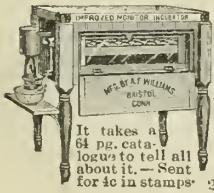
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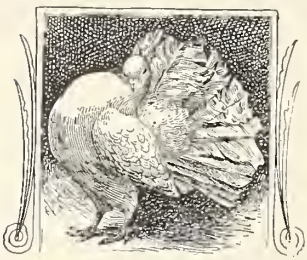
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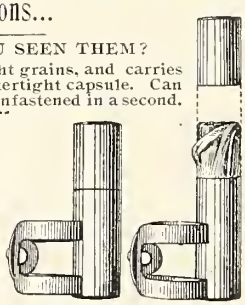
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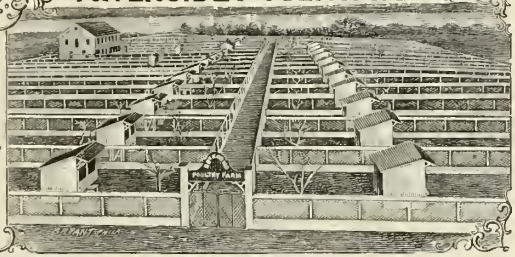
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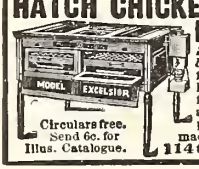
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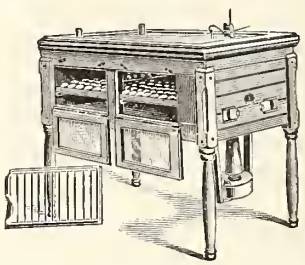


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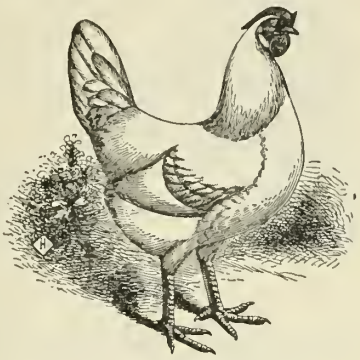
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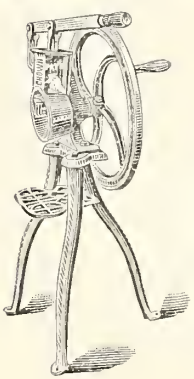
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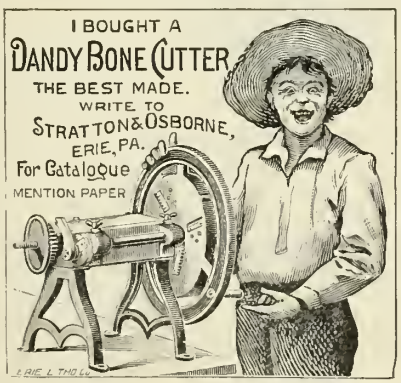
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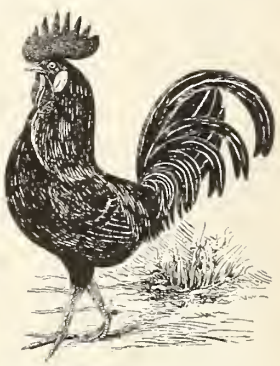
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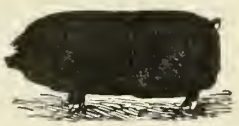
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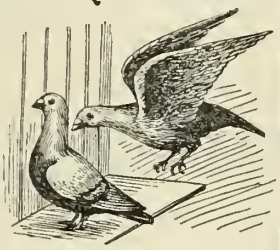
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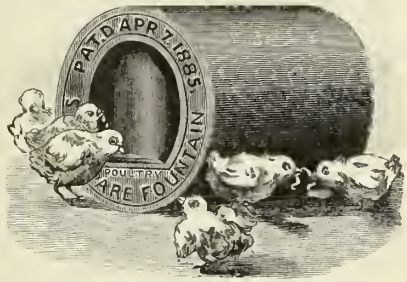
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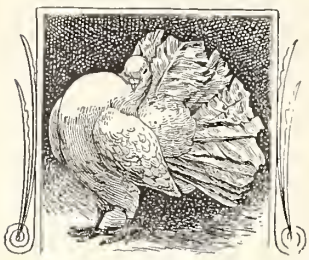
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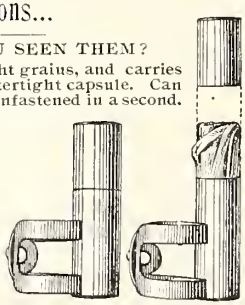
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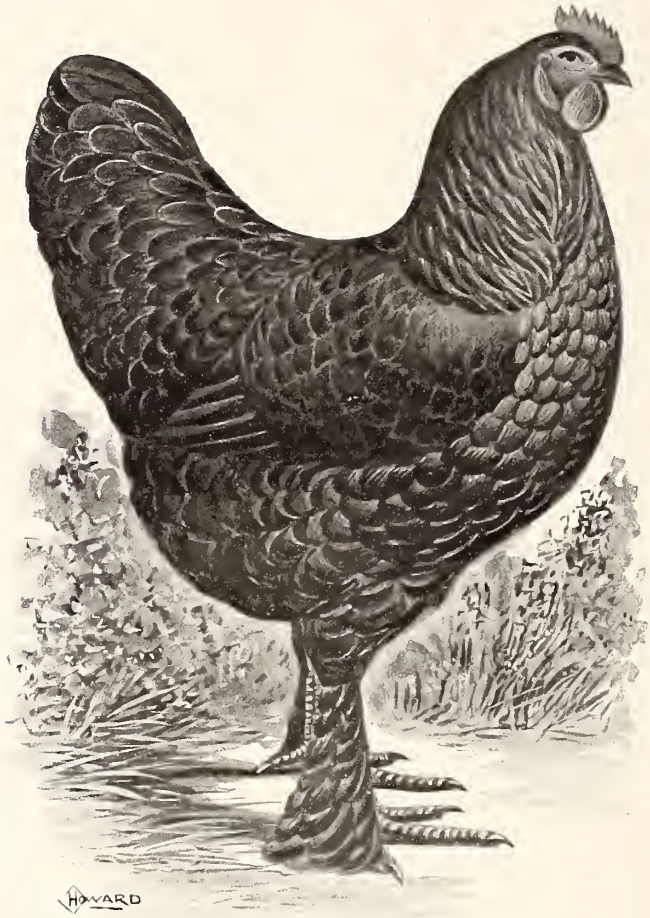
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IDEAL BLACK LANGSHAN FEMALE.

THE FEATHER
A National Journal Devoted to Poultry·Pigeons ·Birds· etc.

Vol. II. No. 2. Washington, D. C., November, 1896. Five Cents.

THE LANGSHAN SERIES.

A Complete and Authentic Treatise of These Most Popular and Profitable Fowls.

The Langshan at Home and Abroad.

BY DR. S. T. LEA.

[*Continued from last month.*]

SHOW me a cock weighing ten or more pounds, and nine times out of ten we see a large, gawky, loose-feathered giraffe. Is this clumsy, gawky-looking bird any good for breeding? I say, "No." Place one of these males at the head of your yard and you will find at end of season that he is knock-kneed, weak legged and no good; his chicks will be few and sickly looking, his females torn and bruised. Now take a nine-pound male and all this will be changed at end of season; plenty of fine-growing chicks, male and females in good condition.

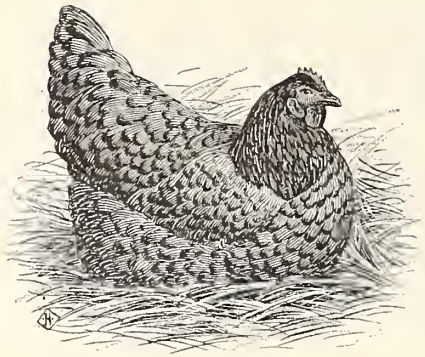
I am well aware that many Langshan breeders may not agree with me as regards weight, but I feel that to keep the breed in its beauty we should place the weight of cocks at nine pounds, cockerels seven and one-half pounds. Also, that there should be less weight for pullets, say five and one-half pounds. As the Standard now reads there is only one pound difference in weight of pullet and hen, and this should not be the case. We have other Asiatics which we breed for weight and size, and why should we destroy the beauty and utility of the Langshan by this excessive weight clause? Where are the White and Black Cochins to-day? I say, "Killed out of existence by the excessive weight clause." Lower the weight of Langshan males and we will get more vitality and fertile eggs. The Langshan is noted for its egg production, but, brother breeders, we will soon kill the utility of the breed if we keep trying to breed for weight.

I believe in weight and size, but think it best to be satisfied with what nature has done for the Langshan. The utility of most breeds of fowls has been hurt by fanciers breeding for certain fancy points. I for one say, "Let's keep the Langshan as nature produced it."

Standard on toe-feathering is too severe. I agree with Felch that, "It is the height of folly to declare a first-class specimen a cull because no feathers grow below middle of second joint of outer toe." When the outer toe is covered with feathers, and these feathers extend to end of toe, this should be all that is required. Why disqualify for side sprigs in the Langshan and allow this defect to pass in other breeds? The Langshan should have the same right on comb as other breeds. The same defects found in the different breeds should be treated the same, and not disqualify one breed,



BLACK LANGSHAN COCK, "PRINCE 2D."
Owned by Dr. S. T. Lea.



MALTESE LANGSHAN HEN.

while in another it is only a defect. Standard on color is also at fault. According to present standard, a breeder of Langshans could exhibit a Langshan with buff, red, or any other color (except white or gray) in plumage, and no judge could disqualify this specimen according to Standard. Standard on color should read, "Plumage, black throughout, except white or gray in foot and toe-feathering; feathers of any other color to disqualify." On back should read, "Broad and flat, at shoulders short and concave." Outside of these defects the Standard is as near right as it is possible to make it. The ideals of male and female as adopted by our club in 1891, are by far the most typical ever produced by friend Sewell, and they should never have been replaced by the ideals of 1895.

The Langshan can be rightly classified as one of the best all-purpose fowls ever produced, and it is claimed by many to surpass all others. I am constantly asked why I like the Langshans and breed them exclusively. Because of their good qualities. They are vigorous and hardy, as layers they stand second to none, are very gentle, bear confinement well, good foragers, good sitters, good mothers, good table fowls, and are not surpassed for beauty. I could give many more reasons, but the above will be sufficient. I have tested many breeds in the past and the Langshan is the favorite. The past season I have seen a Langshan pullet four months and nineteen days old begin to lay. I have never seen this beat by any other breed. I have placed pen of Langshans side by side with pen of Leghorns, and the Langshan egg basket was filled much quicker than the Leghorn egg basket. Langshans will lay, hatch and raise a brood of chicks in any weather. As a table fowl they surpass all other varieties, their bones are small compared with other breeds, and their meat is simply delicious.

Brother Langshan breeders, before closing I would like repeat the words of Brother Smith, "Now we have the Langshan in its purity, let us go on and improve." The demand is for first-class stock. Let every breeder of pure Langshans join the American Langshan Club; let every breeder of doubtful stock follow George Washington's example—use the hatchet. Commence anew, and let us all do our utmost toward placing the stately Langshan where it should and will be—at the head of all domestic poultry.

* * *

My Experience and Observations as a Novice.

BY C. A. BROWN.

One of the chief components of my make-up has been a large amount of what is called "fadism," but which is to my mind enthusiasm; and when the opportunity presented itself to gratify this enthusiasm which had been confined from boyhood, I very quickly grasped it, with the result that I have earned the oft-repeated term "chicken crank."

In the Fall of '94 it was my good fortune to be located on a farm of seventy acres, and as the Spring of '95 was approaching the thoughts which I had cherished for years arose in my mind with the result that I decided to commence the raising of pure-bred poultry. With this end in view I commenced to investigate and the result reached was that I decided to try the Black Langshans. Next came the selection of the breeder to deal with. Poultry papers were perused and experienced poultry breeders were consulted with the result that I placed an order for three sittings of eggs with Wm. M. Hughes, and from these eggs raised to Sept. 1st twenty-seven chicks; but on the evening of Sept. 2d parties who were desirous of procuring chicks at a small expense kindly borrowed ten and have neglected to return them, or even notify me of their whereabouts; this left me seventeen. eleven cockerels and six pullets. In October I wished to see if they were as good in the minds of others as in my own. and so entered four pairs



WHITE LANGSHAN HEN.

at Brockton (Mass.) Fall Show with the result of winning first and second on pairs, which, to say the least, was very fine when it is considered that they had been culled by my kind friend and were selected from six pullets. So much for the quality.

Now as to the laying qualities. From Sept. 14th until May 1st I averaged from these six pullets four eggs a day, and if there is any breed that will do any better, should be pleased to become acquainted with it. A few things I have learned, and that is not much, but if with common sense and good judgment some novice should decide to try this noble, profitable and beautiful breed, I wish to say a word to him. First, start right, and when you have started stick to them and it won't take long before they will stick to you. Second, don't think you have a drove of hogs; that the more feed you give the better results you will have, but constantly bear in mind that you have in reality a reliable egg machine and that all that is necessary is to supply the material and the hen will do the rest.

I have made mistakes thus early, but when once made have been taught a lesson; and right here let me say a word in regard to feed. Some may say another crank on feeding, but bear with me and then criticise. The greatest mistake I have yet made, and one which has given me no small amount of trouble, was caused by feeding. Having had for some time a grand conglomeration of everything that could be worked unto a hen in the line of breeding, or in other words, a lot of mongrels, I thought it would be necessary to feed the thoroughbred flock the same way, but after a time I commenced to have a falling off in eggs and cast about for a reason, which, through the generosity of one of the largest breeders of this noble fowl, was located and found to be overfeeding. This gave me a chance to investigate, and this is what I found—that the same amount of food that I gave the mongrels would make the Langshans hog fat. This I demonstrated satisfactorily to myself and have heard it quoted that for amount of food consumed no breed will surpass the Langshan as layers of brown eggs. I have not been contented with eggs alone, as I do not keep fowls for profit wholly, but have placed a point among the breeders which I hope at some future day to reach; and I aim to reach it, not in a day, month or year, but by constant study, perseverance and a common-sense application of common principles. I hope to see this valuable breed occupy the highest pinnacle in poultrydom and it will only require an equal show with the rest to reach it.

Langshans in the South.

BY H. B. SAVAGE.

To write of all the good qualities of this grand breed and its superior claims as one of the very best breeds or varieties for the fancier, or any one else raising fowls in the far South, would take up too much space. Hence we will brief this article as much as possible.

That the Langshans are superior birds for this section no one will deny, and that the Black variety takes the lead is also a fact, but very few Whites being bred and what few there are do not give the general satisfaction that their darker brethren do.

The climate of this section cannot be beaten for producing the sheen on the plumage so desired by all Langshan breeders, but which in many sections is very hard to get. Uncle Isaac Felch noted this fact when judging our last State Show and made special mention of it in several of his communications to the poultry press. Of the many things that give this breed a superiority over many other of the large breeds I will state a few.

I have bred them for quite a number of years and find that their eggs are very generally fertile, hatch well, chicks grow up rapidly, feather quickly, are very active and hardy, grow into "fliers" in a comparatively few weeks, and it is no unusual thing for pullets to begin laying at five months of age. They produce eggs with a very gratifying regularity and make fitting rivals in this respect to many of the Mediterraneans. In fact, my Langshans this past season have shelled out many more eggs than have a pen of the "world beating" Campines I have, that receive exactly the same treatment, except that the Campines had a little the best in a freedom line, not having been penned so closely. They lay excellently well in Winter with ordinarily good treatment. As a table fowl they again hold a very high place. Their flesh is white, tender and juicy, with a flavor and fineness of grain that well suits the tooth of an epicure.

They are vigorous and active and at the same time stand confinement well, but when allowed their freedom will forage and rustle with the activity of a Leghorn. They look fresh and bright under almost any reasonable treatment and stand this climate better than any other of the Asiatics. In the show-room they are greatly admired; their plumage, lordly bearing and carriage catch the eye of the visitor at all times and very frequently make new converts to poultry culture. I have yet to know the first person who has taken up the Langshans to quit them, because they make friends everywhere.

Continued next month.)

AT HAGERSTOWN.

A Representative Gathering of Fanciers and Birds at This Annual Event.

BY THE EDITOR.



THE annual exhibition of poultry and pigeons at Hagerstown last month exceeded all previous displays at that place. The character was of the highest order, comparing favorably in quality with those of Washington, New York and Boston, and the entries were a revelation to managers of Fall fairs. It demonstrates what may be done by energy and a desire to properly show their patrons the highest development of poultry as well as that of machinery and kindred farm and agricultural industries. Less attention is given to the poultry department by the average Fall fair than to any other branch of the exhibit. At Hagerstown it is quite different. The Superintendent of the poultry department, Mr. John L. Cost, has succeeded by hard labor in making his department the most interesting and representative one of the fair.

For several years past the list of entries has exceeded many times the large accommodations. No entry fees have been charged, and the stock exhibited was in a measure of a character not to justify the premiums which fell to their lot. Birds were exhibited that were not worth twenty-five cents for eating purposes and won premiums, to the detriment of the worthier specimens. Last year it was decided to charge an entry fee of fifty cents. The result is shown —three thousand entries of the highest type. Should not the example set by Hagerstown be an incentive to others to increase and correctly show the patrons of our fairs the true type and character of thoroughbred poultry?

The Asiatics were out in force and quality was good. The display of Light Brahmas was better than last year. The winners were close in all the classes. There were seventy-five Lights shown. The Dark Brahmas were not as large in numbers, but the quality was very fine. The coloring was above the ordinary, especially good was the first cockerel. The females were nicely penciled and of grand color. White and Buff Brahmas were also shown.

Cochins were ninety in number. These popular birds made a grand exhibit and were very fine in quality. The Buffs were the leaders in the Cochin family. No exceptions could be taken to them; they were just such birds as were liable to win most anywhere. The winners were of rich, even color, good size and splendid shape. The first and second pens were centers of attraction. Whites were a large class and good in quality. Blacks were the smallest class of the Cochins.

The Waterloo of the Hagerstown event is the Barred Rock Class. There were an even one hundred entries of Barred Rocks. They were of superior quality and competition was the strongest ever known there. Every bird that was placed in this class was of merit; in fact, it would hardly be possible to find much better at our average show. Buff Rocks showed vast improvement over former years. Whites were good. There were one hundred and sixty birds in all the Rock classes.

There were two hundred birds in the Wyandot classes. The classes were all full and the Buffs, Whites, Silvers and Goldens were extremely good. Black Wyandots are pretty things, and those shown were just as pretty as one could wish. An exhibit of Columbian Wyandots was also made.

Leghorns, like Plymouth Rocks, are



JOHN L. COST.



THE BANQUET CAKE.

always centers of attraction at this show. More than two hundred were shown in all the classes; the Browns were the largest class. They were above the high quality of previous years and winners were meritorious birds. Whites were of excellent quality. The Buffs were good and show signs of improvement.

Polish Classes had about one hundred and thirty entries. This exhibit was not as large as last year, but was very fine in quality. The Golden Bearded and Buff Laced were very fine. The White Crested Blacks were, as usual, of good quality.

There were about fifty birds shown in the French Classes. The quality was good, the Houdans in particular.

The attractive and much thought of little Hamburgs were represented by one hundred and fifty-five specimens. They were excellent in quality and competition in all classes was strong.

Games made fine showing. Crack specimens were on exhibition and crack specimens won the honors. Some of the representative birds of the Winter shows were in the pens, and all conceded the glory of the Exhibition Game at Hagerstown this year.

Those little midgets, impersonators and saucy representatives of big ones, commonly and universally known as Bantams, carried off the laurels of the show in numbers. There were about five hundred specimens in Games and other Bantams. They were like diamonds in their brilliancy, and their fine quality was a startling revelation of the hold these diminutive pets have upon the fancy. It was worth the trip to see them in their amassed strength and glory at Hagerstown.

The Spanish, Minorcas and Andalusians numbered about one hundred and fifty birds. Spanish were good in quality; Minorcas were strong, the Blacks being especially good. The first premium birds were as true as steel. The first pen of Blacks were rare birds and will no doubt win in any competition. Javas, Jersey Blues and Anconas numbered about one hundred and five birds. The Anconas were good and attracted attention. Dorkings were a large class and of good quality. Red Caps made a splendid showing. There were about seventy-five Dorkings and Red Caps on exhibition.

Langshans, Black and White, numbered about fifty birds. The Blacks were fine birds, good in style and color. Whites were also of good quality.

The Miscellaneous Class had two hundred and five entries, including some good specimens of Rhode Island Reds, Buff Laced Indian Games, etc.

Turkeys were forty-five in number. The first cock was the most perfect specimen in color we have ever seen. Geese were just a half hundred in number. Ducks, all kinds, numbered one hundred and ten. Ornamentals, including Ring Doves, Silver and Golden Pheasants and Messina Quails, numbered forty entries. There was a splendid exhibition of Belgian Hares just adjoining the main poultry building.

The Star Incubator was the only entry this year. The display of incubators and brooders by this company was very complete in detail. All machines were in operation and a splendid hatch was made. Mr. G. A. McFetridge represented the Star Company. Bone mills were well represented. The Manu's interests were looked after by Mr. L. H. Myers. Dr. Dorsey cared for the Standard Green Bone Mill. The Wilson Mills were also shown.

The display of pigeons was fully up to the usual standard. Mr. W. H. Vahle was the principal exhibitor. His exhibit was practically a show in itself, including most all the known varieties of pigeons. His awards are published in full. Besides his exhibit of pigeons he made a splendid showing of pheasants, canaries and an assortment of cages.

F. G. Bean was also a large exhibitor of pigeons, in addition to his numerous entries in the poultry classes. He won a large number of premiums on his birds as will be seen by the list of awards.



THE PARADE.

Thursday is considered the day of days at Hagerstown. It is the day when all fanciers try to be present, and those who cannot spend more than one day at the show generally arrange it so that that day is Thursday. It was a greater day this year than any other previous years. The entertainment was enlarged with the innovation of a parade in addition to the usual festivities. Just think of it, a parade of real, live fanciers marching to the time of a well-organized campaign band up and down the main thoroughfares of the immortal Hagerstown!

Such things had been often thought of and dreamed about, but the realization was left to the genial John L. Cost to fulfill. About eight o'clock in the evening the spacious reception-rooms and corridors were filled with one hundred enthusiastic poultrymen ready for the march. Each patriot wore his best clothes, smiled his happiest smile and looked real chicken-like, high spirited and gay. The only distinguishing feature in the matter of dress from the rest of the world was the large white feather worn on the hat. The chief marshal, Mr. J. H. Drevenstedt, announced as assistants Messrs. W. W. Woodward and D. Lincoln Orr.

Promptly at the appointed (we have forgotten the *exact*) time the bugle sounded, the drum beat, the line fell to, the blood tingled with genuine patriotism in the veins of all, and for once in our lives we were making history by participating in a real poultryman's parade, with music and lots of red tape. The right of the line, the band and the two Johns, rested on the Baldwin's curb. The left of the line, marshals and members, rested in divers places. At last we were off. The crowds gathered in immense numbers almost blocking our way, and showed what they knew of chickens by using their best endeavors to merge our non-partisan and disinterested line into a political demonstration of mixed politics. After much circuitous marching, the physical abilities of the two Johns were found unequal to the emergencies of the occasion. They faltered and the column halted for consultation. After a sharp deliberation it was agreed that for the best interests of the Hagerstown Show it was advisable not to tax the leader's energies beyond the power of endurance, so the parade adjourned to meet thirty minutes hence under more congenial circumstances.

THE BANQUET.

So long as man is gifted with the powers of digestion, whether good or bad, he will continue the habit of eating. Poultrymen are no exception to the rule; they will eat if they are sure to be crop-bound afterward. An over-fed poultryman is no freak.

While the bells of the town were pealing the last stroke of the hour of nine those in attendance were gathering at the board to do homage to their host and themselves. The spacious dining-room of the Baldwin never looked better than on this occasion. Mr. Mandavill, the proprietor, fairly outdid himself in the preparations. The table decorations were beautiful and off-set in an artistic way with palms and potted plants. In the center of the long table was the banquet cake, dedicated to Mr. Cost. Our illustration will carry the idea of this feature better than pen can tell you. It would have filled a maiden's soul with delight as a wedding cake, and many would have been the dreams that would have followed in its distribution. But then this was no wedding, and we will pass over the scene of what might have been if our host's mind was not so fixed.

The *menu* was:

Celery Cold Slaw Queen Olives
Blue Point Oysters
Raw Stewed Fried
Saratoga Chips
Port Wine Sherry Wine
Deviled Crabs
Worcestershire Sauce English Chow-chow
Sugar Beets Mixed Pickles
Ham Turkey Tongue Corned Beef
Chicken Salad Salmon Salad
Tokay Wine Catawba Wine
Nectarine Ice Cream Jelly a la Chartriuse
John L. Cost Cake Pound Cake
Pond Lily Cake Marble Cake White Cake
French Macroons Cocoanut Kisses
Bananas Apples Grapes
Cream Cheese French Wafers
Iced Jersey Buttermilk
English Tea French Coffee
Cigars.

The toastmaster, Mr. Drevenstedt, introduced Mr. P. A. Witmer, Secretary of the show, who made the welcoming address. The reply was made by Mr. A. E. Warner. After Mr. Warner had concluded his splendid address, the toastmaster presented to Mr. Cost in behalf of the fanciers present a handsome



THE EXHIBITOR'S SMILE.

gold-mounted umbrella and a pair of buckskin gloves. Mr. George Shantz, assistant to Mr. Cost, was presented a sealed envelope containing a substantial sum.

Other toasts of the evening were responded to by Mr. Geo. O. Brown, "The Hagerstown Show;" Mr. John Spahr, "The Other John;" Mr. Chas. T. Cornman, "Are Bantams Profitable?" Mr. John Glasgow, "English and American Shows;" Mr. F. B. Zimmer, "Pups and Bantams;" Mr. Geo. E. Howard, "The Poultry Press;" Mr. M. B. Blauch, "How to Run a Poultry Show in Dog Days," and Mr. A. P. Ingram replied to the toast, "Hot Stuff." Other speakers of the evening were Messrs. D. Lincoln Orr and W. W. Woodward, who spoke as marshals of the parade in the earlier part of the evening. Messrs. E. S. Hickman and Fishel also addressed the meeting.

During the evening a colored glee club rendered some choice vocal music. The banquet closed at a late hour with "Auld Lang Syne."

[NOTE—Owing to the large increase in our advertising space this month, we are compelled to omit a part of the report of the Hagerstown event. In the December issue we will publish a write-up on our advertisers who were exhibitors at this show, and will illustrate the same with unique sketches of some of the winners.—ED.]

Awards at Hagerstown.

POULTRY.

LIGHT BRAHMAS.—Jos. D. Hollinger, 1 and 4 cocks, 2 hen, 2 pullet; L. H. Myers, 2 cock, 1 hen; H. M. Thomas, 3 cock, 3 hen; Orr's Poultry Yards, 4 hen, 3 cockerel; Chas. C. Townsend, 5 hen, 1 pullet; John F. Sellers, 1 and 2 cockerels, 3 and 5 pullets.

DARK BRAHMAS.—Anthony Eckert, 1 cock, 2 cockerel, 1 pullet, 1 and 2 pens; L. B. Minich & Son, 2 cock, 3 hen, 1 cockerel, 3 pullet; H. M. Thomas, 3 cock, 1 hen; Wm. K. Birely & Son, 4 cock, 4 hen; W. A. Smith, 5 cock, 3 cockerel, 4 pullet; Chas. C. Townsend, 2 hen, 4 and 5 cockerels, 2 pullet; Orr's Poultry Yards, 5 hen.

WHITE BRAHMAS.—F. G. Bean, 1 and 2 hens. Best pair in class.

BUFF BRAHMAS.—E. J. Chandler, 1 cock, 1 hen; L. H. Myers, 2 cockerel, 2 pullet; W. A. Shafer, 3 cockerel, 3 pullet.

BUFF COCHINS.—A. P. Ingram, Jr., 1 cock, 1 hen, 1 cockerel, 3 pullet, 1 pen; H. A. Logue, 2 cock, 1 pullet, 2 pen; A. W. Eudy & Son, 3 cock, 4 cockerel, 5 pullet; H. M. Thomas, 4 cock, 3 hen, 5 cockerel, 4 pullet; Orr's Poultry Yards, 5 cock; F. G. Bean, 2 hen; Nathan R. Rambo, 2 cockerel, 2 pullet; E. J. Chandler, 3 cockerel.

PARTRIDGE COCHINS.—H. M. Thomas, 1 cock, 1 hen; Chas. C. Townsend, 3 cock, 3 cockerel, 4 pullet; Wm. K. Birely & Co., 1 and 2 cockerels, 1 and 2 pullets; Jno. & W. F. Spahr, 4 cockerel, 5 pullet; W. A. Smith, 5 cockerel, 3 pullet.

WHITE COCHINS.—H. M. Thomas, 1 and 2 cocks, 1 and 2 hens; Jno. & W. F. Spahr, 3 cock, 3 and 4 hens; C. G. Gilda, 4 cock, 5 hen, 1 and 2 cockerels, 1 and 2 pullets.

BLACK COCHINS.—W. A. Smith, 1 cock, 2 cockerel, 2 pullet; H. M. Thomas, 2 hen; Wm. K. Birely & Co., 1 cockerel, 1 pullet.

BARRED PLYMOUTH ROCKS.—E. M. & W. Ferguson, 1 and 3 cocks, 1 cockerel, 1 and 2 pullets; Vallie Hawkins, 2 and 5 cocks, 1 hen, 4 cockerel; J. E. Stevenson, 4 cock; Edw. S. Hickman, 2 and 4 hens, 2 cockerel, 2 pen; Orr's Poultry Yards, 3 hen; Jno. Ridgely of H, 5 hen, 4 pullet, 5 pen; W. H. Ellis, 3 cockerel, 3 pen; F. G. Bean, 5 cockerel, 5 pullet; A. E. Warner, 3 pullet, 4 pen; D. Morford, 1 pen.

BUFF PLYMOUTH ROCKS.—A. P. Ingram, Jr., 1 cock, 2 hen, 2 cockerel, 1 pullet, 1 pen; C. W. Beman, 2 cock, 1 and 3 hens, 4 cockerel; J. E. Stevenson, 3 cock, 5 hen, 5 cockerel; W. A. Smith, 4 cock, 4 pullet; W. W. Woodward, 5 cock; E. M. & W. Ferguson, 4 hen, 5 pullet; F. G. Bean, 1 and 3 cockerels, 2 pullet, 2 pen; J. W. Bruckhart, 3 pullet.

WHITE PLYMOUTH ROCKS.—C. E. Espenship, 1 cock, 1 hen, 5 cockerel, 2 pullet; E. M. & W. Ferguson, 2 cock, 2 and 3 hens, 3 and 4 cockerels, 3 and 4 pullets; L. H. Myers, 3 cock, 4 hen; A. G. Oliver, 4 cock, 5 hen; Dan'l J. Stouffer, 1 and 2 cockerels, 1 pullet, 1 pen; E. J. Chandler, 5 pullet; A. P. Ingram, Jr., 2 pen; C. C. Holtzman, 3 pen.

P. C. BARRED PLYMOUTH ROCKS.—W. A. Smith, 2 cock, 2 hen; W. H. Kendig, 1 and 2 cockerels, 1 and 2 pullets.

WHITE WYANDOTS.—H. M. Thomas, 1 cock; Orr's Poultry Yards, 2 cock, 5 hen; C. C. Townsend, 3 and 4 cocks, 2 and 3 hens; Frank S. Pierce, 5 cock; C. E. Espenship, 1 hen, 1 cockerel; J. E. Stevenson, 4 hen; A. P. Groves, 2 cockerel, 1 pullet; W. T. Levering, 3 cockerel; S. M. Kefauver, 4 cockerel, 3 pullet; Heim Bros., 5 cockerel, 4 pullet; W. A. Shafer, 2 pullet; C. G. Gilds, 5 pullet, 2 pen.

SILVER WYANDOTS.—L. H. Myers, 1 cock; W. A. Smith, 2 cock, 5 hen, 2 pen; A. G. Oliver, 3 cock, 4 hen, 4 pullet; E. J. Chandler, 4 cock, 3 hen, 3 pullet; F. G. Bean, 1 hen, 4 cockerel, 1 pullet; A. C. Keyser, 2 hen; H. M. Thomas, 1 cockerel, 5 pullet; S. M. Kefanver, 2 cockerel; Chas. Feldman, 3 cockerel, 2 pullet; R. P. Magruder, 1 pen.

BUFF WYANDOTS.—Orr's Poultry Yards, 1 cock, 1 hen; L. H. Myers, 2 cock, 2 hen, 3 cockerel, 4 pullet; A. P. Groves, 1 and 2 cockerels, 1 and 2 pullets; E. J. Chandler, 4 cockerel, 3 pullet.

GOLDEN WYANDOTS.—A. G. Oliver, 1 cock, 3 and 4 hens, 5 cockerel, 2 pen; W. A. Smith, 2 cock, 1 hen, 4 cockerel, 5 pullet; C. E. Espenship, 1 cockerel, 2 pullet; L. B. Minich & Son, 2 cockerel, 1 pullet, 3 pen; C. W. Beman, 3 cockerel.

BLACK WYANDOTS.—C. C. Townsend, 1 cock, 3 hen; H. M. Thomas, 2 cock, 3 cockerel; C. E. Espenship, 1 and 2 hens, 2 cockerel, 1 pullet; E. J. Chandler, 4 hen; W. A. Smith, 5 hen, 4 cockerel, 4 and 5 pullets; J. T. McNealy, 1 cockerel, 2 pullet.

S. C. BROWN LEGHORNS.—Dr. H. W. Dorsey, 1, 2 and 3 cocks, 1, 2 and 3 hens, 4 cockerel, 1 and 4 pullets, 1 pen; Norman Egolf, 4 and 5 hens; A. E. Warner, 1 and 5 cockerels; C. E. Espenship, 3 cockerel; Harvey Clopper, 2 pullet; Jos. Roach, 3 pullet, 2 pen; C. E. Shildnecht, 5 pullet.

S. C. WHITE LEGHORNS.—McCoy & Morgal, 1 and 2 cocks, 1 hen, 4 cockerel; A. C. Keyser, 3 cock, 4 hen; C. N. Lewis & Son, 4 cock; L. H. Myers, 5 cock, 3 hen, 2 cockerel, 4 pullet; Dr. H. W. Dorsey, 2 hen; W. A. Smith, 5 hen; Jas. G. Dayhoff, 1 cockerel, 1 pullet, 2 pen; W. A. Shafer, 3 cockerel, 2 pullet; J. W. Bruckhart, 5 cockerel, 5 pullet; Jno. & W. F. Spahr, 3 pullet; Orr's Poultry Yards, 1 pen.

S. C. BUFF LEGHORNS.—C. W. Beman, 1 and 4 cocks, 2 hen; E. J. Chandler, 2 cock, 4 pullet; Chas. Feldman, 3 cock, 4 and 5 hens; L. H. Myers, 5 cock, 1 hen, 2 cockerel; F. G. Bean, 1 cockerel, 3 pullet; Walter R. Hibberd, 3 cockerel, 1 and 2 pullets; A. C. Keyser, 4 cockerel; Orr's Poultry Yards, 5 cockerel, 5 pullet.

R. C. BROWN LEGHORNS.—W. A. Shafer, 1 cockerel, 2 pullet; Kerlin & Son, 2 cockerel, 1 pullet; W. A. Smith, 3 cockerel.

R. C. WHITE LEGHORNS.—L. H. Myers, 1 cock, 4 hen; M. E. Dolbear, 2 cock, 2 hen, 2 cockerel, 2 pullet; F. G. Bean, 3 cock, 3 hen; W. A. Smith, 4 cock, 1 hen, 1 cockerel, 1 and 4 pullets; A. G. Oliver, 3 cockerel, 3 pullet.

S. C. BLACK LEGHORNS.—W. A. Smith, 1 cock, 2 hen, 1 cockerel, 2 pullet; F. G. Bean, 1 hen; W. A. Shafer, 2 cockerel, 1 pullet.

S. C. DOM. LEGHORNS.—A. G. Oliver, 1 cockerel, 1 pullet.

R. C. DOM. LEGHORNS.—A. G. Oliver, 2 pullet.

R. C. BLACK LEGHORNS.—A. G. Oliver, 1 cockerel, 1 pullet.

R. C. BUFF LEGHORNS.—E. J. Chandler, 1 cock, 1 hen; L. H. Myers, 2 cockerel, 1 pullet.

GOLDEN POLISH.—Orr's Poultry Yards, 1 cock, 2 hen; A. G. Oliver, 2 and 3 cocks, 1 and 4 hens, 3 cockerel, 3 pullet; W. A. Smith, 4 cock, 3 hen, 4 cockerel, 4 pullet; J. W. Bruckhart, 1 and 2 cockerels, 1 and 2 pullets.

GOLDEN BEARDED POLISH.—Orr's Poultry Yards, 1 cock, 1 pen; A. G. Oliver, 2 and 4 cocks, 3 hen, 2 pullet; Jno. & W. F. Spahr, 3 cock, 4 hen, 1 cockerel, 1 pullet; Chas. Feldman, 1 and 2 hens, W. A. Smith, 2 cockerel.

SILVER POLISH.—Jno. & W. F. Spahr, 1 cock, 2 hen, 1 pullet; W. A. Smith, 2 cock, 3 hen; S. M. Kefauver, 3 cock; H. M. Thomas, 4 cock, 1 hen.

SILVER BEARDED POLISH.—A. G. Oliver, 1 and 2 cocks, 2 and 3 hens, 1 cockerel, 2 pullet; Orr's Poultry Yards, 3 cock, 4 hen; Jno. & W. F. Spahr, 1 hen, 1 pullet, 1 pen.

WHITE CRESTED BLACK POLISH.—Orr's Poultry Yards, 1 cock, 2 hen, 1 pen; A. G. Oliver, 2 cock, 1 hen, 2 cockerel, 2 and 4 pullets; J. W. Bruckhart, 1 cockerel, 1 pullet; W. A. Smith, 3 cockerel, 3 pullet.

WHITE POLISH.—M. E. Dolbear, 1 cock, 3 hen; A. G. Oliver, 2 cock, 2 hen; Orr's Poultry Yards, 3 cock, 1 hen; W. A. Smith, 4 cock, 1 pullet.

WHITE BEARDED POLISH.—Orr's Poultry Yards, 1 cock; A. G. Oliver, 2 cock, 3 hen; M. E. Dolbear, 3 cock, 1 and 2 hens; Jno. & W. F. Spahr, 4 cock, 4 hen; W. A. Smith, 1 cockerel, 2 pullet.

BUFF LACED POLISH.—J. W. Bruckhart, 1 cock, 1 cockerel, 1 and 2 pullets; A. G. Oliver, 2 cock, 2 hen, 2 cockerel, 3 pullet; Orr's Poultry Yards, 3 cock, 4 hen; W. A. Smith, 4 cock, 3 hen, 3 cockerel, 4 pullet; T. Farrer Rackham, 1 hen.

SILVER PENCILED HAMBURGS.—W. A. Shafer, 1 cock, 4 hen; M. E. Dolbear, 2 cock, 2 hen; W. A. Smith, 3 cock, 3 hen; Wm. K. Birely & Co., 1 cockerel; C. E. Shildnecht, 2 cockerel.

GOLDEN PENCILED HAMBURGS.—M. E. Dolbear, 1 cock, 2 hen; Wm. K. Birely & Co., 2 cock, 1 hen; W. A. Shafer, 3 and 4 cocks, 4 and 5 hens; W. A. Smith, 5 cock, 3 hen, 1 cockerel, 2 pullet, 1 pen; A. G. Oliver, 2 cockerel, 1 pullet.

SILVER SPANGLED HAMBURGS.—Nelson S. Haskell, 1 cock, 2 hen, 1 cockerel, 2 pullet; L. H. Myers, 2 cock, 3 hen; Jas. Mayo, 3 cock, 1 hen, 2 and 3 cockerels, 1 and 3 pullets; S. M. Kefauver, 4 cockerel, 4 pullet; J. W. Bruckhart, 5 cockerel, 5 pullet.

GOLDEN SPANGLED HAMBURGS.—A. G. Oliver, 1 and 3 cocks, 1 and 2 hens; W. A. Shafer, 2 cock, 3 hen; M. E. Dolbear, 4 cock; W. A. Smith, 4 hen; J. W. Bruckhart, 1 cockerel, 1 pullet.

WHITE HAMBURGS.—W. A. Shafer, 1 cock, 4 hen; M. E. Dolbear, 2 cock, 1 and 2 hens; W. A. Smith, 3 cock, 3 and 5 hens, 2 cockerel, 3 pullet, 1 pen; J. W. Bruckhart, 1 cockerel, 2 pullet; Wm. K. Birely & Co., 3 cockerel, 1 pullet.

BLACK HAMBURGS.—W. A. Smith, 1 cock, 1 hen, 1 cockerel, 1 pullet; M. E. Dolbear, 2 cock; W. A. Shafer, 2 hen; W. K. Birely & Co., 2 cockerel, 2 pullet.

HOUDANS.—A. G. Oliver, 1 cock; J. F. Bogner, 2 cock, 1, 2 and 3 hens; W. A. Shafer, 3 cock, 5 hen; S. M. Kefauver, 4 cock, 4 hen, 1 cockerel, 1 pullet; W. A. Smith, 2 cockerel, 2 pullet, 1 pen.

LA FLECHE.—M. E. Dolbear, 1 cock, 1 and 5 hens; H. M. Thomas, 2 cock, 4 hen, 1 cockerel, 1 pullet; W. A. Smith, 3 and 4 cocks, 2 and 3 hens, 2 pullet.

CREVECOEURS.—M. E. Dolbear, 1 cock, 1 hen.

PIT GAMES.—Jno. & W. F. Spahr, 1 cock, 1 hen, 1 cockerel, 2 pullet; Chas. W. Sleigh, 2 cock, 2 hen, 2 cockerel, 1 pullet.

B. B. RED GAMES.—J. F. Morrison, 1 cock, 1 cockerel, 3 pullet, 1 pen; B. C. Thornton, 1 hen; W. M. Clarke, 2 hen, 1 and 2 pullets; A. G. Oliver, 2 cockerel.

BROWN RED GAMES.—H. H. Harmes & Bro., 1 cock, 2 hen, 2 pullet; B. C. Thornton, 2 cock, 1 hen; A. G. Oliver, 1 cockerel, 1 pullet.

GOLDEN DUCKWING GAMES.—B. C. Thornton, 1 cock, 1 hen, 1 cockerel, 1 pullet; W. A. Smith, 2 cock, 2 hen; A. G. Oliver, 2 cockerel, 2 pullet.

SILVER DUCKWING GAMES.—A. G. Oliver, 1 cock, 1 hen, 1 cockerel.

RED PYLE GAMES.—Jno. Glasgow, 1 cock, 1 hen; A. G. Oliver, 2 cock, 2 and 4 hens, 1 cockerel, 1 and 2 pullets; B. C. Thornton, 3 hen.

BIRCHEN GAMES.—B. C. Thornton, 1 hen, 1 cockerel, 1 pullet.

INDIAN GAMES.—J. E. Stevenson, 1 cock, 4 cockerel, 2 pullet; E. M. & W. Ferguson, 2 and 5 cocks, 1 and 4 hens, 1 and 2 cockerels, 1 and 3 pullets; W. H. Kendig, 3 cock, 2 hen; W. W. Woodward, 4 cock, 5 hen; W. T. Levering, 3 hen, 3 cockerel; A. G. Oliver, 5 cockerel, 4 pullet.

WHITE INDIAN GAMES.—W. W. Woodward, 1, 3 and 5 cocks, 2 and 3 hens, 4 cockerel, 2 and 5 pullets; E. M. and W. Ferguson, 2 cock, 1 hen, 1 cockerel, 1 pullet; A. G. Oliver, 4 cock, 4 hen; W. H. Myers, 5 hen, 2 and 3 cockerels, 3 and 4 pullets.

WHITE GAMES.—H. H. Harmes & Bro., 1 cock, 1 hen, 1 cockerel, 1 pullet; W. A. Smith, 2 cock, 2 cockerel, 2 pullet.

SUMATRA GAMES.—Jno. & W. F. Spahr, 1 and 5 cocks, 1 and 2 hens; M. E. Dolbear, 2 cock, 3 and 4 hens, 1 and 2 pullets; W. A. Shafer, 3 cock, 5 hen, 3 pullet; W. A. Smith, 4 cock, 1 cockerel, 4 pullet.

MALAY GAMES.—M. E. Dolbear, 1 cock, 1 hen; W. A. Smith, 1 pullet.

WHITE MALAY GAMES.—A. G. Oliver, 1 cock, 1 hen.

BLACK GAMES.—H. H. Harmes & Bro., 1 cock, 2 hen, 1 cockerel, 1 pullet; Jno. & W. F. Spahr, 2 cock.

B. B. RED GAME BANTAMS.—B. C. Thornton, 1 cock, 1 hen, 5 cockerel, 2 pullet; Chas. T. Cornman, 2 cock, 2 hen, 1 pen; A. G. Oliver, 3 and 4 cocks, 3 and 5 hens; L. H. Myers, 5 cock, 4 hen; W. M. Clarke, 1 and 2 cockerels, 1 pullet; Jno. Glasgow, 3 and 4 cockerels, 3 and 4 pullets; W. A. Smith, 5 pullet.

BROWN RED GAME BANTAMS.—Jno. Glasgow, 1 and 2 cocks, 1 and 3 hens, 2 and 3 cockerels, 1 and 2 pullets; Chas. T. Cornman, 3 cock, 5 hen, 1 pen; B. C. Thornton, 4 cock, 4 hen, 1 cockerel; A. G. Oliver, 5 cock, 2 hen; L. B. Minich & Son, 4 cockerel, 3 pullet; W. A. Smith, 2 pen.

RED PYLE GAME BANTAMS.—B. C. Thornton, 1 cock, 1 hen, 1 cockerel, 1 pullet; A. G. Oliver, 2 cock, 3 hen, 2 pen; Jno. Glasgow, 3 cock, 2 hen, 2 and 3 cockerels, 2 and 5 pullets; Chas. T. Cornman, 4 cock, 4 hen, 1 pen; C. P. Earle, 4 cockerel, 3 pullet; L. H. Myers, 5 cockerel, 4 pullet.

BIRCHEN GAME BANTAMS.—Jno. Glasgow, 1 and 2 cocks, 3 and 4 hens, 1 and 2 cockerels, 1 and 2 pullets; B. C. Thornton, 3 cock, 5 hen; A. G. Oliver, 4 cock, 2 hen; Chas. T. Cornman, 5 cock, 1 hen, 1 pen; L. B. Minich & Son, 3 cockerel, 3 pullet.

GOLDEN DUCKWING GAME BANTAMS.—B. C. Thornton, 1 cock, 2 hen; Chas. T. Cornman, 2 cock, 1 hen, 2 cockerel, 2 pullet, 1 pen; Jno. Glasgow, 1 cockerel, 1 pullet; C. P. Earle, 3 cockerel, 3 pullet.

SILVER DUCKWING GAME BANTAMS.—B. C. Thornton, 1 cock, 1 hen; W. A. Smith, 2 cock, 3 hen; Chas. T. Cornman, 3 cock, 2 hen, 1 cockerel, 1 pullet, 1 pen; L. H. Myers, 4 cock, 4 hen, 2 pullet.

WHITE GAME BANTAMS.—A. G. Oliver, 1 cock, 1 hen; W. A. Smith, 2 cock, 2 hen, 1 pen.

BLACK GAME BANTAMS.—Chas. T. Cornman, 1 cock, 1 hen.

WHITE INDIAN GAME BANTAMS.—W. A. Smith, 1 cock, 1 hen.

RED MALAY GAME BANTAMS.—C. P. Earle, 1 cockerel, 1 pullet.

WHITE MALAY GAME BANTAMS.—C. P. Earle, 3 cockerel, 3 pullet.

R. C. WHITE BANTAMS.—Chas. T. Cornman, 1 cock, 1 hen; Jno. Glasgow, 2 cock, 2 hen, 2 and 3 cockerels, 1 and 2 pullets; C. P. Earle, 3 hen, 1 cockerel; W. A. Smith, 4 hen.

SILVER SEBRIGHT BANTAMS.—A. C. Freichler, 1 cock, 1 hen, 1 cockerel, 2 pullet, 1 pen; Holmes & Tomlinson, 2 cock, 4 hen, 2 cockerel, 1 pullet; W. A. Smith, 3 cock, 2 hen; A. G. Oliver, 4 cock, 3 hen, 3 cockerel; Orr's Poultry Yards, 5 cock, 5 hen; H. A. Shetler, 3 pullet; Chas. T. Cornman, 2 pen.

GOLDEN SEBRIGHT BANTAMS.—Holmes & Tomlinson, 1 cock, 4 hen, 2 cockerel, 5 pullet; H. A. Shetler, 2 cock, 2 hen, 4 cockerel, 2 pullet; Dr. E. H. Witmer & Son, 3 cock, 3 hen, 3 cockerel, 4 pullet; Orr's Poultry Yards, 4 cock, 5 cockerel; W. A. Smith, 5 cock, 1 cockerel, 1 pullet; Chas. T. Cornman, 1 hen, 1 pen; L. H. Myers, 3 pullet.

R. C. BLACK BANTAMS.—Chas. T. Cornman, 1 cock, 1 hen, 1 pen; L. H. Myers, 2 cock, 4 hen, 3 and 5 cockerel, 2 and 3 pullet; W. A. Smith, 3 cock, 2 hen, 4 cockerel, 1 pullet, 2 pen; Jno. Glasgow, 4 cock, 5 hen, 1 cockerel, 4 pullet; A. G. Oliver, 5 cock; C. P. Earle, 3 hen, 2 cockerel.

BOOTED WHITE BANTAMS.—C. P. Earle, 1 cock, 1 hen, 1 cockerel, 1 pullet; Chas. T. Cornman, 2 cock, 2 hen, 1 pen; W. A. Smith, 3 cock, 4 hen, 2 cockerel, 2 pullet; A. G. Oliver, 4 cock, 3 hen.

BUFF PEKIN BANTAMS.—W. A. Smith, 1 and 2 cocks, 3 hen, 5 pullet; Chas. T. Cornman, 3 cock, 1 hen, 1 pen; Orr's Poultry Yards, 4 cock, 2 hen; L. H. Myers, 5 cock, 4 cockerel, 3 pullet; Dr. E. H Witmer & Son, 4 hen, 1 cockerel, 1 pullet; A. G. Oliver, 5 hen, 3 cockerel, 4 pullet; L. P. Graham, 2 cockerel, 2 pullet.

WHITE PEKIN BANTAMS.—Chas. T. Cornman, 1 cock, 4 hen, 4 cockerel, 3 pullet, 1 pen; Orr's Poultry Yards, 2 cock; Jno. Glasgow, 3 cock, 2 hen, 5 pullet; Dr. E. H. Witmer & Son, 4 cock, 3 hen, 2 cockerel, 1 pullet; L. H. Myers. 5 cock, 1 and 5 hens, 1 and 3 cockerels, 2 and 4 pullets; W. A. Smith, 5 cockerel.

BLACK PEKIN BANTAMS.—Orr's Poultry Yards, 1 cock, 1 hen, 4 cockerel, 3 pullet; Dr. E. H. Witmer & Son, 2 cock, 3 hen, 5 pullet; Chas. T. Cornman, 2 hen; L. H. Myers, 4 hen, 2 cockerel, 2 pullet; C. P. Earle, 1 cockerel, 1 pullet; Jno. Glasgow, 3 cockerel, 4 pullet.

B. T. JAPANESE BANTAMS.—Jno. Glasgow, 1 cock, 3 hen, 2 and 3 cockerels, 2 and 3 pullets; W. A. Smith, 2 cock, 2 hen, 5 cockerel, 5 pullet; Chas. T. Cornman, 3 cock, 1 hen, 1 cockerel, 1 pullet, 1 pen; A. G. Oliver, 4 hen, 4 cockerel, 4 pullet.

W. T. JAPANESE BANTAMS.—A. G. Oliver, 1 cock, 3 hen, 2 cockerel, 1 and 3 pullets; Chas. T. Cornman, 2 cock, 2 hen, 1 pen; W. A. Smith, 3 cock, 4 hen, 3 cockerel, 4 pullet; Dr. E. H. Witmer & Son, 1 hen, 1 cockerel, 2 pullet.

WHITE POLISH BANTAMS.—Orr's Poultry Yards, 1 cock, 1 hen; Dr. E. H. Witmer & Son, 2 cock, 2 hen, 1 cockerel, 2 pullet; L. H. Myers, 3 cock; Chas. T. Cornman, 4 cock, 3 hen.

DARK BRAHMA BANTAMS.—Chas. T. Cornman, 1 and 2 cocks, 1 and 2 hens, 1 pen; L. P. Graham, 3 cock, 3 hen.

PARTRIDGE COCHIN BANTAMS.—Chas. T. Cornman, 1 cock, 1 hen.

BLACK JAPANESE BANTAMS.—Chas. T. Cornman, 1 cock, 1 hen.

DOMINIQUE BANTAMS.—Chas. T. Cornman, 1 cock, 1 hen.

MANX TAILLESS BANTAMS.—Chas. T Cornman, 1 cock, 1 hen; P. H. McCormick, 1 cockerel, 1 pullet.

WHITE FRIZZLE BANTAMS.—Chas. T. Cornman, 1 cock, 1 hen.

CUCKOO BANTAMS.—Chas. T. Cornman, 1 and 2 cocks, 1 and 3 hens.

BLACK MINORCAS.—Wm. N. Fleigh, 1 cock; A. G. Oliver, 2 cock; Norman Egolf, 3 cock; C. E. Espenship, 4 cock, 2 hen, 5 pullet; Orr's Poultry Yards, 5 cock, 4 hen; Frank S. Pierce, 1 hen, 2 cockerel; S. M. Kefauver, 3 hen; W. A. Smith, 5 hen, 3 pen; P. H. McCormick, 1 and 5 cockerel, 1 pullet, 2 pen; Walter Hibberd, 3 cockerel, 2 and 3 pullets; Chas. Feldman, 4 cockerel; G. W. James, 4 pullet; J. M. Allen, 1 pen.

R. C. BLACK MINORCAS.—W. A. Smith, 2 cock, 2 hen, 2 cockerel, 2 pullet, 1 pen; E. J. Chandler, 1 hen, 1 pullet; W. A. Shafer, 1 cockerel, 3 pullet; A. G. Oliver, 3 cockerel, 4 pullet.

WHITE MINORCAS.—A. G. Oliver, 1 cock, 1 and 2 hens; W. A. Smith, 2 cock, 3 hen, 4 cockerel, 4 pullet; G. W. James, 1 cockerel, 3 pullet; Wm. K. Birely & Co., 2 and 3 cockerels, 1 and 2 pullets.

ANDALUSIANS.—A. C. Keyser, 2 cock, 1 and 2 hens, 1 cockerel, 1 pullet; M. E. Dolbear, 3 cock, 5 hen; A. G. Oliver, 4 cock, 3 and 4 hens, 2 cockerel, 2 pullet; W. A. Smith, 5 cock, 3 pullet.

WHITE FACE BLACK SPANISH.—Jno. & W. F. Spahr, 1 cock, 4 hen, 3 cockerel, 2 pullet; A. G. Oliver, 2 and 4 cocks, 2 and 3 hens, 1 and 2 cockerels, 1 and 3 pullets; H. M. Thomas, 3 cock, 1 hen; W. A. Smith, 5 cock.

BLACK JAVAS.—W. A. Smith, 2 cock, 2 cockerel, 2 pullet; M. E. Dolbear, 3 cock, 1 hen, 1 pullet.

WHITE JAVAS.—W. A. Smith, 1 and 2 cocks, 1 and 2 hens, 2 cockerel; C. G. Gilds, 4 cock; M. E. Dolbear, 5 cock, 3 hen.

MOTTLED JAVAS.—H. M. Thomas, 1 cock, 1 hen, 1 cockerel, 1 pullet; Jos. D. Hollenger, 3 cock, 2 hen.

AMERICAN DOMINIQUES.—C. C. Townsend, 1 cock, 1 hen, 1 cockerel, 1 pullet; W. A. Shafer, 2 cock, 2 and 3 hens; W. A. Smith, 3 cock, 4 hen, 3 cockerel; E. J. Chandler, 2 pullet.

JERSEY BLUES.—W. A. Smith, 2 cock, 1 hen.

MOTTLED ANCONAS.—W. A. Smith, 1 cock, 3 hen, 1 cockerel, 2 pullet, 1 pen; F. G. Bean, 2 cock, 1 and 2 hens, 2 cockerel, 1 and 3 pullets, 2 pen.

BLACK LANGSHANS.—C. C. Townsend, 1 cock, 1 hen, 4 cockerel, 4 pullet; A. G. Oliver, 2 cock, 2 hen, 3 pullet; Orr's Poultry Yards, 3 cock, 4 hen, 2 and 3 cockerels, 1 and 2 pullets; W. T. Levering, 3 cock, 4 hen, 2 and 3 cockerels, 1 and 2 pullets, 1 pen, H. M. Thomas, 5 cock; F. G. Beau, 3 hen, 5 cockerel; Wm. K. Birely & Co., 5 pullet.

WHITE LANGSHANS.—F. G. Beau, 1 and 2 cocks, 1 and 2 hens, 1 and 2 cockerels, 1 and 2 pullets.

BLUE LANGSHANS.—W. A. Smith, 2 and 3 cocks, 2 hen.

SILVER-GRAY DORKINGS.—A. G. Oliver, 1 and 2 cocks, 2 and 3 hens; W. A. Smith, 3 and 4 cocks, 4 hen, 2 cockerel, 5 pullet; S. M. Kefauver, 1 hen, 1 cockerel, 1 pullet; M. E. Dolbear, 3 cockerel, 2 and 3 pullets; Jno. Glasgow, 4 pullet.

WHITE DORKINGS.—M. E. Dolbear, 1 and 2 cocks, 1 and 2 hens; H. M. Thomas, 3 cock, 3 hen, 2 pullet; A. G. Oliver, 4 cock, 4 hen; W. A. Smith, 5 cock, 5 hen, 2 cockerel, 3 pullet; Jno. Glasgow, 1 cockerel, 1 pullet.

COLORED DORKINGS.—M. E. Dolbear, 1 cock, 1 hen, 1 pullet; H. M. Thomas, 2 cock, 2 hen; A. G. Oliver, 3 cock, 3 hen, 1 cockerel, 3 pullet; W. A. Smith, 2 pullet.

RED CAPS.—S. M. Kefauver, 1 cock, 1 cockerel, 4 pullet; S. Clyde Hartle, 2 cock, 3 hen, 2 cockerel, 3 pullet; L. B. Minich & Son, 3 cock, 1 and 2 hens; A. G. Oliver, 4 cock, 3 cockerel, 1 and 2 pullets; W. A. Smith, 4 cockerel, 5 pullet, 1 pen.

NAKED NECKS.—W. A. Smith, 1 cock, 1 and 2 hens; Clyde W. Smith, 1 cockerel, 1 and 2 pullets; D. H. Myers, 2 cockerel.

GOLDEN CAMPINES.—W. A. Shafer, 1 cock, 1 hen; W. A. Smith, 1 and 2 pullets.

SILVER CAMPINES.—W. A. Smith, 2 cock, 1 and 2 hens, 2 and 3 cockerels, 1 and 2 pullets; A. C. Keyser, 3 and 4 hens, 1 cockerel, 3 and 4 pullets.

SHERWOODS.—F. G. Bean, 1 and 2 cocks, 1 and 2 hens, 1 and 2 cockerels, 1 and 2 pullets.

ERMINETTES.—M. E. Dolbear, 1 cock, 2 hen, 2 cockerel, 1 pullet.

SICILIANS.—W. A. Smith, 1 cock, 3 hen.

JAPANESE SILKIES.—W. A. Smith, 1 and 4 cocks, 2 and 4 hens, 1 cockerel, 1 pullet; Ed. F. Miller, 2 and 3 cocks, 1 and 3 hens.

BLACK SILKIES.—Ed. F. Miller, 2 cock, 1 hen.

WHITE FRIZZLES.—F. G. Bean, 1 cock, 1 hen; A. G. Oliver, 2 cock, 2 hen; W. A. Smith, 3 cock, 4 hen, 2 cockerel, 2 pullet.

WHITE WONDERS.—L. H. Myers, 1 and 2 hens, 2 cockerel, 1 pullet.

RUMPLESS.—H. M. Thomas, 1 cock, 2 hen; B. C. Thornton, 2 cock, 1 hen; A. G. Oliver, 1 cockerel, 1 pullet.

BRONZE TURKEYS.—E. M. & W. Ferguson, 1 and 2 cocks, 1 and 2 hens; A. G. Oliver, 3 cock, 3 hen; S. M. Kefauver, 4 cock, 4 hen.

WHITE HOLLAND TURKEYS.—W. A. Smith, 1 cock, 1 hen; J. E. Stevenson, 2 and 5 cocks, 2 and 5 hens; E. M. & W. Ferguson, 4 cock, 3 and 4 hens.

BLACK TURKEYS.—A. G. Oliver, 1 cock, 1 hen; W. A. Smith, 2 cock, 2 hen.

SLATE TURKEYS.—A. G. Oliver, 1 cock, 1 hen; W. A. Smith, 2 cock, 2 hen.

BUFF TURKEYS.—W. A. Smith, 1 cock, 1 hen.

NARRAGANSETT TURKEYS.—F. G. Bean, 1 cock, 1 hen; W. A. Smith, 2 cock, 2 hen.

BROWN CHINA GEESE.—W. A. Shafer, 1 and 3 ganders, 3 goose; W. A. Smith, 2 gander, 2 goose; S. M. Kefauver, 4 gander, 4 goose.

WHITE CHINA GEESE.—W. A. Shafer, 1 and 3 ganders, 1 and 3 geese; W. A. Smith, 2 gander, 2 goose; L. H. Myers, 4 gander, 4 goose.

TOULOUSE GEESE.—W. A. Shafer, 1 and 2 ganders, 1 and 2 geese,

AFRICAN GEESE.—W. A. Smith, 2 gander, 2 goose; M. E. Dolbear, 3 gander, 3 goose.

WILD GEESE.—W. A. Smith, 1 gander, 1 goose; A. G. Oliver, 3 gander, 3 goose.

EMBDEN GEESE.—W. A. Shafer, 3 gander, 3 goose.

EGYPTIAN GEESE.—W. A. Smith, 1 gander, 1 goose.

PEKIN DUCKS.—A. G. Oliver, 1 drake; W. A. Smith, 2 drake, 1 duck; J. E. Stevenson, 3 drake, 2 duck; J. M. Flickinger, 4 drake, 3 duck; L. H. Myers, 5 drake, 4 and 5 ducks.

CAYUGA DUCKS.—W. A. Shafer, 1 drake, 1 duck; E. M. & W. Ferguson, 2 drake, 2 duck; M. E. Dolbear, 3 drake, 3 duck.

GRAY CALL DUCKS.—W. A. Smith, 1 drake, 1 duck; W. A. Shafer, 2 drake, 2 duck.

WHITE CALL DUCKS.—W. A. Smith, 1, 2 and 3 drakes, 1, 2 and 3 ducks; E. J. Chandler, 4 drake, 4 duck.

WHITE MUSCOVY DUCKS.—M. E. Dolbear, 1 drake, 1 duck; W. A. Shafer, 2 drake; W. A. Smith, 3 drake, 3 duck.

COLORED MUSCOVY DUCKS.—M. E. Dolbear, 1 drake, 1 duck; W. A. Shafer, 2 drake, 2 duck; W. A. Smith, 3 drake, 3 duck.

BLACK EAST INDIA DUCKS.—W. A. Shafer, 1 duck.

MALLARD DUCKS.—E. M. & W. Ferguson, 1 drake, 1 duck.

WILD DUCKS.—E. M. & W. Ferguson, 1 drake, 1 duck.

SPOON BILL DUCKS.—W. A. Smith, 1 drake, 1 duck.

DECOY DUCKS.—E. M. & W. Ferguson, 1 drake, 1 duck,

AYLESBURY DUCKS.—A. G. Oliver, 1 drake, 1 duck; W. A. Smith, 3 drake, 3 duck.

ROUEN DUCKS.—L. H. Myers, 1 drake, 1 duck; M. E. Dolbear, 2 drake, 2 duck; E. J. Chandler, 3 drake; W. A. Smith, 3 duck.

CRESTED WHITE DUCKS.—W. A. Shafer, 2 drake, 1 duck.

INDIAN RUNNER DUCKS.—T. Farrer Rackham, 1 drake, 1 duck.

ORNAMENTALS.—Ring Doves, W. A. Smith, 1; Pea Fowls, W. A. Smith, 1; Silver Pheasants, H. W. Vahle, 1; Golden Pheasants, H. W. Vahle, 1; Messina Quail, H. W. Vahle, 1.

PIGEONS.

GEO. H. LEH, Allentown, Pa.—Red Pied Pouters, 1 cock, 1 hen. Yellow Jacobins, 2 cock, 2 hen. Black Barbs, 2 cock, 2 hen.

GEO. SHANTZ, Allentown, Pa.—White Barbs, 1 cock, 1 hen. White Jacobins, 1 cock. Yellow Pied Pouters, 1 cock, 1 hen. Starling Quakers, 1 cock, 1 hen. Blue Homers, 1 cock, 1 hen.

J. C. MEHRING, Littlestown, Pa.—Black Carriers, 1 cock, 1 hen. Yellow Dragoons, 1 cock, 1 hen. Silver Dun Dragoons, 1 cock. Yellow Homers, 1 cock, 1 hen.

H. A. SHETLER, Williamsport, Pa.—Black Jacobins, 2 cock, 2 hen.

C. B. FUNK, Hagerstown, Md.—Satinettes, 1 cock, 1 hen. Silver English Owls, 2 cock, 2 hen. Red Rollers, 1 cock, 1 hen.

H. E. FUNK, Hagerstown, Md.—Silver English Owls, 1 cock, 1 hen. White Jacobins, 2 cock. Red Jacobins, 1 hen. Red Wing Turbits, 1 cock, 1 hen. Splash R. Trumpeters, 2 cock, 2 hen. Black Dragoons, 1 cock, 1 hen. Blue Wing Turbits, 1 cock, 1 heu. White Homers, 1 and 2 cocks, 1 and 2 hens.

F. G. BEAN, Fairview Village, Pa.—White Jacobins, 2 hen. White Runts, 1 and 2 cocks, 1 and 2 hens. White Dragoons, 2 cock. White Tumblers, 1 and 2 hens. Yellow Tumblers, 1 and 2 cocks, 1 and 2 hens. Red Tumblers, 1 cock, 1 hen. White Duchess, 1 cock, 1 hen, Yellow Duchess, 1 cock, 1 hen. Cream Color Homers, 1 and 2 cocks, 1 and 2 hens. Black Homers, 1 and 2 cocks, 1 and 2 hens. Dun Checker Homers, 1 and 2 cocks, 1 and 2 hens. Silver Homers, 1 cock, 2 hen. Steel Homers, 1 cock, 2 hen. Dun Homers, 1 hen. Blue Homers, 2 cock, 2 hen. Yellow Homers, 2 cock, 2 hen. Red Homers, 1 cock.

M. B. BLAUCH, Lebanon, Pa.—Black Jacobins, 1 cock, 1 hen. Red Jacobins, 1 cock, 1 hen. Yellow Jacobins, 1 cock, 1 hen.

A. C. KEYSER, Lower Providence, Pa.—Blue Runts, 2 cock, 1 hen.

CHAS. T. CORNMAN, Carlisle, Pa.—White Pouters, 1 cock, 1 hen. White Fans, 1 cock, 2 hen. Black Fans, 1 cock, 1 hen. Blue Fans, 1 cock, 1 hen.

A. G. OLIVER, Newark, Del.—Black Magpies, 2 cock, 2 hen.

CHAS. FELDMAN, Hagerstown, Md.—Black Wing Turbits, 1 cock, 1 hen. Blue Wing Turbits, 2 hen. Yellow Wing Turbits, 1 cock, 1 hen. Yellow Booted Tumblers, 1 cock, 1 hen. Black Booted Tumblers, 2 cock, 2 hen.

H. W. VAHLE, Philadelphia, Pa.—Blue Runts, 1 cock, 2 hen. Silver Runts, 1 and 2 cocks, 1 and 2 hens. Dun Runts, 1 cock, 1 hen. Red Latz, 1 cock, 1 hen. Black Bald-heads, 1 cock, 1 hen. Yellow Bald-heads, 1 cock, 1 hen. Blue Bald-heads, 1 cock, 1 hen. Blue Larks, 1 cock, 1 hen. Black Swallow White Bar, 1 and 2 cocks, 1 and 2 hens. Blue Swallow White Bar, 1 cock. Yellow Swallow White Bar, 1 and 2 cocks, 1 and 2 hens. Red Swallow White Bar, 1 and 2 cocks. Blue Swallow Black Bar, 2 cock, 2 hen. Blue Fairy Swallow, 1 cock, 1 hen. Black Snip Swallow, 1 and 2 cocks, 1 and 2 hens. Bronze Archangels, 1 cock, 1 hen. Blue Archangels, 1 cock, 2 hen. Black Chinese Owls, 1 cock, 1 hen. Winged Chinese Owls, 1 cock, 1 hen. Red Tail Chinese Owls, 1 cock, 1 hen. Black Priests, 1 cock, 1 hen. Blue Barless Priests, 1 cock, 1 hen. Blue Jacobins, 1 cock, 1 hen. Black Magpies, 1 cock, 1 hen. Crested Black Saddle Fans, 2 cock, 2 hen. Plain Black Saddle Fans, 1 cock, 1 hen. Plain Red Saddle Fans, 1 cock, 1 hen. Black Bald Fans, 1 cock, 1 hen. Black Tail Fans, 1 cock, 1 heu. Blue Tail Fans, 2 cock, 2 hen. White Faus, 2 cock, 1 hen. Red Bald Trumpeters, 1 and 2 cocks, 1 and 2 hens. White English Trumpeters, 1 hen. Black English Trumpeters, 1 cock, 1 hen. Blue W. Bar Shield Trumpeters, 1 and 2 cocks, 1 and 2 hens. Red W. Bar Shield Trumpeters, 1 and 2 cocks, 1 and 2 heus. Silver W. Bar Shield Trumpeters, 1 cock, 1 hen. Black W. Bar Shield Trumpeters, 1 cock, 1 hen. Yellow W. Shield Trumpeters, 1 and 2 cocks, 1 and 2 hens. Spangled Shield Trumpeters, 1 cock, 1 heu. Blue Moorcap Tumblers, 1 cock, 1 hen. Black Moorcap Tumblers, 1 and 2 cocks, 1 and 2 hens. Yellow Moorcap Tumblers, 1 cock, 1 hen. Black Brunswick W. Bar, 1 cock, 1 hen. Blue S. Brunswick W. Bar, 1 cock, 1 hen. Black S. Brunswick W. Bar, 1 cock, 1 hen. Yellow C. Helmets, 1 cock, 1 hen. Black C. Helmets, 1 cock, 1 hen. Blue C. Helmets, 1 and 2 cocks, 1 and 2 hens. Red C. Helmets, 1 cock, 1 hen. Jacobin Moorcaps, 1 cock, 1 hen. Spangled Ice, 1 cock, 1 hen. Plain Ice, 1 and 2 cocks, 1 and 2 hens. Starlings, 2 cock, 2 hen. C. Copper Fire Backs, 1 cock, 1 hen Plain Copper Fire Backs, 2 cock, 2 hen. Plain Yellow Fire Backs, 2 cock, 2 hen. Black Fire Backs, 2 cock, 2 hen. Bronze Fire Backs, 1 cock, 1 hen. Red Quakers, 1 cock, 1 hen. Blue Quakers, 1 cock, 1 hen. Black German Beards, 1 cock, 1 hen. Silver German Beards, 1 cock, 1 hen. Red Barred German Beards, 1 cock, 1 hen. Blue Check German Beards, 1 cock, 1 hen. Red Nuns, 1 and 2 cocks, 1 and 2 hens. Yellow Nuns, 1 cock, 1 hen. Blue Nuns, 1 cock, 1 hen. Black Nuns, 1 cock, 1 hen. Laced Polish Lux, 1 cock, 1 hen. Spangled Polish Lux, 2 cock, 2 hen. Blue W. B. Lux, 1 and 2 cocks, 1 and 2 hens. Yellow Florentines, 1 cock, 1 hen. Blue Florentines, 2 cock, 2 hen. Red Shields, 1 cock, 2 hen. Yellow Shields, 1 cock, 2 hen. Black Barbs, 1 cock, 1 hen. Mandenegars, 1 cock, 1 hen. Suabaus, 1 and 2 cocks, 1 and 2 hens. White Scandaroons, 1 and 2 cocks, 1 and 2 hens. Black Scandaroons, 1 cock, 1 hen.

What Women Are Achieving.

It takes but a glance through the various poultry publications of the day to convince one of the universal success women are achieving in the poultry world. The breeding of thoroughbred poultry seems to be an employment eminently suited to women, as thorough success in the poultry-yard depends much upon perseverance, minute attention to details and exquisite neatness, and a combination of these qualities is much more frequently found in the feminine than in the masculine make-up. From time immemorial the farmer's wife has claimed the poultry-house and the proceeds thereof as her especial property, and many are the little luxuries, unattainable otherwise, which have been purchased with the egg-money. Indeed, either as vocation or avocation, the raising of poultry is a most suitable and pleasant employment for women.

There are many women who find time hang heavily on their hands, who would really be the better physically and mentally for something to occupy these spare moments. We would advise such, if situated favorably, to go into the fancy poultry business, on a small scale to begin with, providing they have the least talent or interest in that direction. If one has no love for the feathered race it would, no doubt, be simply a waste of time and money to attempt it, but those who are interested and who are willing to give the subject a little careful study, would find in this occupation not only a pleasant and healthful employment, but a profitable one as well. Even if one evinces but a very small degree of interest in the subject, it requires but a short acquaintance with the feathered beauties to turn one into a veritable "chicken crank."

A professional needle-woman of our acquaintance, who very much enjoyed her work, it being in an artistic line, but whose health was not of the best, was advised by her physician that outdoor exercise each day would prove of great benefit; a friend suggested fancy poultry as a means to the desired end; so an order was sent to a reliable dealer for a thoroughbred cockerel and several pullets and she was soon an enthusiastic poultrywoman, counting each bird an intimate friend. She found that after sitting all day the exercise she was obliged to take in looking after her fowls was most beneficial; and not only that, but her poultry, as a side issue, brought in a nice little profit which was most acceptable during the dull season.

The poultry industry is increasing and becoming more important every day, and those farmers' wives who have never given their poultry-house any special attention, will do well to take the matter earnestly in hand. Dispose of the scrubs and get some pure-blooded stock. If you do not care to get rid of your female stock, purchase a thoroughbred male; you will not regret it and you will have better fowls another season. Subscribe to a really good poultry magazine and read it through from cover to cover each issue.

How to Carve a Turkey.

Few men there are who are really expert carvers. For the benefit of those of our readers who are not we give the following directions for carving a turkey—a most pertinent subject at this season:



FIG. 1.



FIG. 2.

Fig. 1. Removing the Left Wing.
Fig. 2. Removing the Leg and Second Joint.

Place the fork in the breast of the turkey as shown in cut, having one prong on each side of the breast bone, grasp the handle of the fork in the left hand, and, laying the flat of the knife parallel with and close to the neck just above where the left wing joins the body, cut downward, catching the joint. A slight pressure severs the cartilage and a single swoop of the knife removes the wing.

Put the point of the knife into the flesh which holds the second joint to the carcass, and cut downward to where the second joint's bone joins the carcass.



FIG. 3.



FIG. 4.

Fig. 3. Removing the Leg and Second Joint.
Fig. 4. Slicing Off the Breast.

Place the knife between the leg and the carcass, making a downward sweep to where the second joint connects with the carcass and meeting the cut described in illustration one. A gentle pressure with the point of the knife then causes the leg and second joint to drop into the dish.

The breast may be sliced off in two ways. That shown in the illustration removes it in slices parallel to the breast-bone, as indicated by the dotted lines. It can also be removed in slices cutting crossways.



FIG. 5.



FIG. 6.

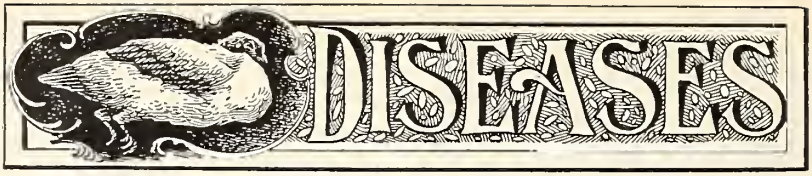
Fig. 5. Removing the Oyster Bone.
Fig. 6. Removing the Wish Bone.

Place the flat of the knife against the vertebræ connecting the pope's nose with the carcass and press the edge in the direction of the neck of the bird. When the knife reaches the places indicated by the dotted line, turn the blade, and the leverage causes the oyster-bone to fall into the plate. After removing the oyster-bone, turn the platter and remove from the right side the wing, leg, breast and oyster-bone in the same manner as on the left side.

Place the flat of the knife against the breast-bone next the wish-bone, and, keeping it pressed against the carcass, sweep it towards the neck. This removes the wish-bone. The dotted lines show how to remove the pope's nose, the two bones to which the wings are articulated and the breast-bone. The latter is removed last of all, because the fork is never taken out of its original position in the breast-bone until that bone is separated from the carcass.



FIG. 7.
Separating Other Bones.



CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Tuberculosis.

BY DR. D. E. SALMON.

[*Continued from last month.*]

CAUSE AND NATURE.

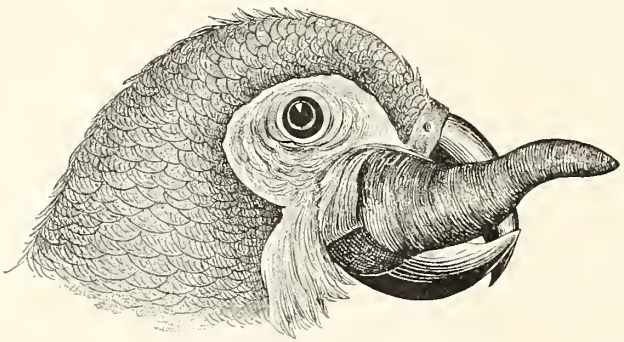
THE tuberculosis of birds like that of mankind is caused by a bacillus. The bacillus of birds in a general way resembles that of man, but is larger, more vigorous and hardy, and grows better outside of the body. The disease is strictly contagious, and usually appears in a flock as a consequence of bringing in new birds. That is, it results from contagion carried by birds from other diseased flocks.

Many outbreaks have been attributed to infection from eating the sputum of persons affected with consumption. The possibility of such infection is admitted by some authorities and denied by others. It is certain that poultry and pigeons are not easily infected experimentally with the tuberculosis of people, cattle and other animals which are classed together as mammals. This may sometimes be accomplished; but after one bird is infected in this way it is equally difficult to transmit the disease from this bird to other birds. It appears, therefore, out of the question to produce a rapidly spreading outbreak of disease among fowls or pigeons by the use of human virus.

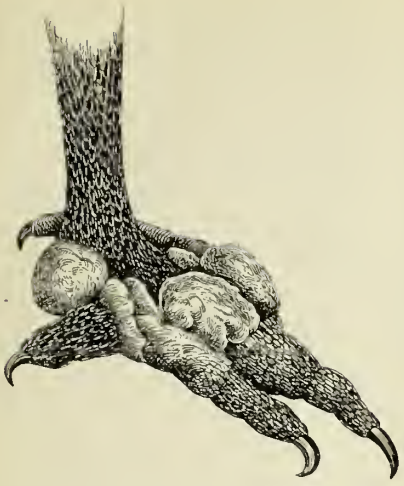
The bird or avian tuberculosis spreads rapidly from bird to bird and is easily transmitted experimentally to birds, but it has little effect upon most mammals which are very susceptible to human tuberculosis. There is, consequently, a marked difference between avian and mammalian tuberculosis. The disease in the two cases does not appear to be absolutely distinct, but should rather be regarded as two varieties of the same malady. These varieties have been developed because the bacilli have grown for a long series of years under different conditions. They may still possibly be changed from mammalian to avian and from avian to mammalian, but such a change certainly would require much time and very favorable conditions.

A very interesting fact is that parrots are usually affected with the mammalian form of tuberculosis. The disease is quite frequently seen in these birds and it shows a great tendency to develop externally. It most commonly affects the borders of the eyes and mouth, the skin and the joints of the feet. There are at first small swellings, some of which soften, discharge their contents and become ulcers; others remain hard and continue to enlarge, while still others are covered by a horny growth of considerable thickness. When the feet are affected the joints swell and the bones are more or less deformed, leading many who are not well informed on the subject to consider the disease as simple gout.

It has been shown by experiments that it is very difficult to infect fowls and pigeons by inoculation from parrots, but rabbits, guinea pigs and dogs readily contract the disease by such inoculation. It is concluded from the various facts which have been recorded, that the tuberculosis of parrots is identical with tuberculosis or consumption in man; that parrots are infected from diseased people and may in turn infect other people. The germs of the disease are found in enormous numbers in the discharge from the ulcers, in the secretion of the nasal passages and often in the excrement. The cages are soiled with these different excretions, which soon be-



TUBERCULAR GROWTH OF THE HEAD—PARROT.



TUBERCULOSIS OF THE FOOT—PARROT.

come dry, are reduced to dust and then disseminated through the air of the apartment by the flapping of the bird's wings. People breathing this atmosphere take the germs into their lungs and in that way become infected. Other species of cage birds may contract human tuberculosis and distribute it in the same manner.

On the other hand, as poultry and pigeons do not readily contract tuberculosis from persons, it seems probable that mankind is in no great danger of becoming infected from these birds. It is well to use reasonable precautions, however, when the disease is detected in the poultry-yard or pigeon cote, as there are some cases recorded where it is believed that flocks of poultry have been infected by eating the sputum of human consumptives. When a bird is found to be diseased it should of course be safely disposed of at once ; but there is no reason for the alarm and panic which have been exhibited by some owners of flocks supposed to be affected.

DIAGNOSIS.

As there are a number of different conditions found in birds which simulate tuberculosis, it is well, when the disease is suspected, to have its identity confirmed by an expert. A microscopical examination showing the presence of the *bacillus tuberculosis* is the most reliable and satisfactory evidence. According to Nocard, the tuberculin test may be used as with cattle or other animals. The dose stated by him is five to ten centigrams for fowls, pigeons and pheasants, and ten to twenty centigrams for geese, turkeys and peacocks.

TREATMENT.

The eradication of tuberculosis in birds from an infected premises can only be attempted with a fair prospect of success when all the birds are sacrificed. Any individuals that are preserved are liable to have ulcerations of the intestines, from which the bacilli are constantly distributed. There should, consequently, be no attempt to save any birds from an infected flock.

When the birds are all killed and disposed of by burning or deeply burying, the premises should be carefully disinfected. The manure should be carefully scraped and swept together and saturated with a five per cent. solution of carbolic acid or mixed with lime. The floors and woodwork of the houses should be washed with boiling water or with a hot solution of carbolic acid. The feeding troughs, drinking vessels and nests should be treated in the same manner. Any yards used for penning birds should be sprinkled with the carbolic acid solution.

After the cleaning and disinfection is accomplished the premises should be opened to the sun and air for a month if possible before new birds are introduced. It is then a good plan to cover the walls and roosts with lime wash, to which four ounces of crude carbolic acid to the gallon has been added, and ventilate a few days longer before the houses are used. Those who scrupulously enforce these measures may be reasonably certain that the contagion will be destroyed and that the new flock may be safely introduced.

From the Buckeye State.

MANSFIELD, OHIO.

Editor The Feather:

The annual exhibition of the Mansfield Poultry and Pet Stock Association will be held at Mansfield, Dec. 30, 1896, to Jan. 2, 1897.

Following is the list of officers: I. S. Donnell, President; A. J. Shafer, First Vice-President; C. W. Etz, Second Vice-President; J. H. Hammet, Third Vice-President; Geo. B. Weatherby, Secretary; Peter L. Remy, Treasurer; H. W. Lemon, Superintendent; B. M. Harroun, Assistant Superintendent; F. W. Reed, W. M. Loomis, H. M. Bell, J. L. Burneson, W. G. Smith, Executive Committee.

H. A. Bridge will judge, and we expect to have a rip-roaring success of an exhibit.

Yours for Eggs and Feathers,
GEO. B. WEATHERBY, Sec'y.

The Feather.

THE FEATHER is a dandy,
And there is this about it,
Altho' I'm no chicken,
I can't keep house without it.

Lyndonville, Vt. I. W. SANBORN.

WHO'S SHELLABERGER?

He's the Wire Fence Man, of Atlanta, Ga., and sells the best and cheapest fencing in existence for all purposes. Catalogue free. Write for it.

The Feather,

Washington, D. C.

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NOVEMBER, 1896.

Business Prospects. It is a matter for sincere congratulation that the political campaign has been concluded. For two years there has been uncertainty, hesitation and paralysis in business. During the last four months the country has been convulsed with the quadrennial paroxysm which precedes and is a necessary factor to the evolution of a new administration of the Government. The fierce struggle between the parties for possession of the Federal offices, which has absorbed the attention and efforts of the whole country, is once more a matter of history, and our people have turned from political economy and statecraft to the prosecution of their private business affairs.

Prosperity is again with us. Confidence has returned. Millions of dollars have come forth from stockings, and desks, and safe-deposits, where they have been hoarded, and have again entered the channels of legitimate business. The great capitalists are putting their money into new enterprises. We are entering upon another period of business activity, probably unparalleled in the history of our country. There will be opportunities such as only come once in a generation.

Are the fanciers, as individuals, prepared to take advantage of these changed conditions? Have you the proper quality and quantity of stock to do a good business if the orders come to you? Are you making proper efforts to secure such orders? If not, you will fail to reap the rewards that are within the grasp of the observant and up-to-date business man.

THE FEATHER sounds the call to business. Financial depression has faded away. Political strife is hushed. Our feathered friends stand ready to bring pleasure and profit as in the palmy days of old.

* * *

Will Excel All Others. The reading space has been considerably cut this month on account of the large number of new advertisers who begin business with us, and some very valuable and interesting articles have been crowded out. The December issue will be our Christmas number and will excel any number we have ever issued. More pages will be added to accommodate the new ads. which will commence then, and nothing will be spared to make it a number to be prized and kept for years to come. Copy for ads. should be sent in as early as possible to insure insertion and proper display, and orders for extra copies must be placed before we go to press on the tenth of the month. Be prompt and don't miss our Christmas number.

* * *

Oceans of Room. The poultry business is the largest of our agricultural industries, and yet it is practically in its infancy. There is oceans of room for enterprising men and women to earn a livelihood with the hen. It is a business that will not sustain indefiniteness of purpose; the idea and aim of the prospective poulterer must be carefully and thoughtfully planned before he embarks in his work. Don't rush madly into it; study it, learn it and build a solid foundation for the business to grow on. Begin moderately and gradually increase your stock as your knowledge increases in caring for that stock after you get it. Nothing will succeed unless you know the secrets of success. The secrets of poultry raising are not many, but you should know them if you hope to succeed.

* * *

A Compliment Indeed. Our valued contemporary, *The Feathered World*, London, England, reprinted in full our article on the Wyandot, as published in the August number, reproducing the fourteen illustrations which accompanied the same. We can but appreciate the honor, coming as it does from the leading fancy journal on the other side of the Atlantic, and return thanks for their editorial comment on our efforts, which appeared in connection with the article, and is reprinted below:

The foregoing article and illustrations by the able editor of my Washington contemporary, THE FEATHER, appeared of such interest as to warrant their reproduction for fanciers in this country. The author and illustrator, Mr. Geo. E. Howard, bears a name familiar to every reader of American fancy literature, and the bright little monthly over which he presides has always some such paper from his hands.—ED.

A Practical Demonstration. The Hagerstown Show this year was a decided success with the fifty-cent entry fee attached. The quality of the stock was far in excess of any yet seen at that place and it would compare favorably with the best shows of this country. Mr. Cost is to be congratulated on the stand he has taken and deserves the praise and commendation of all lovers of thoroughbred poultry and pigeons. Managers of other poultry exhibits at our Fall fairs should profit by the practical demonstration of the Hagerstown poultry show and adopt their system of exhibiting with credit to themselves and justice to their patrons. Poultry exhibits nowadays must be up to the standard to be appreciated by the average attendant at these events. These are progressive times and the hen keeps up with the pace.

* * *

An Informal Meeting. It has been decided to hold a breeders' meeting in connection with the annual show of the National Poultry and Pigeon Association. The suggestion has been made by Mr. P. H. Jacobs, editor of the *Poultry Keeper*, that such a meeting, informal in character, would be of much worth to the poultry industry. Interesting topics on the Standard, mating, breeding, judging, etc., will be discussed by those in attendance, and papers will be read touching all subjects which concern the poultry industry and the fraternity as a whole. It is believed that poultrymen generally will aid in making this feature of the show at Washington one of the bright jewels in the crown of prosperity and mark a new era in our common work.

* * *

Our Christmas Gift. The Feather for December will be a grand holiday number. The subject matter and illustrations will, we believe, eclipse anything heretofore published. The edition will be extra large and advertisers should have their copy in early to insure proper display.

* * *

A Growing Business. Last month we published a long list of new advertisers. To that list we add fifty more new ones this month who begin business on a promising basis with our readers. This increase is due to the phenomenal growth of The Feather as a superior poultry publication and advertising medium. Seventy-five per cent. of this and last month's business are yearly advertisers. The names of those published below are recognized at a glance as being among the foremost of the enterprising breeders and dealers of this country and our readers are sure to profit by dealing with them. The list is as follows:

Incubators, W. K. Howe, Charleston, S. C.; Geo. H. Stahl, Quincy, Ill., and Simplex Hatcher Co., Quincy, Ill. York Chemical Works, York, Pa., poultry supplies; Orr's Poultry Yards, Orr's Mills, N. Y., Clear Grit and leading varieties of poultry; Thos. Willetts, Lowell, Mass., leg bands and fancy pigeons; J. C. Adams & Bro., Lynchburg, Va., Barred Plymouth Rocks; Geo. Schrade, Sykesville, Md., Cornish Indian Games; B. H. Greider, Florin, Pa., thirty-five varieties of fine poultry; C. D. Smith, Fort Plain, N. Y., Games; Jas. Mayo, Pittston, Pa., S. S. Hamburgs; Denton Morford, Catonsville, Md., Barred Plymouth Rocks; H. C. Bell, Waynesboro, Pa., poultry plant for rent; J. W. Bruckart, Lititz, Pa.. Polish in several varieties; H. A. Logue, Hagerstown, Md., Buff Cochins; Hamme Bros., Smith's Station, N. Y., Leghorns and Light Brahmas; W. L. Forney, Chambersburg, Pa., Belgian Hares; Frank E. Silloway, Newburyport, Mass., Light Brahmas and Partridge Cochins; G. S. Moore, Trenton Falls, N. Y., Light Brahmas and Bantams; Robt. J. Barker, Rochester, N. Y., Silver Wyandots; G.E. Halteman, Tiffin, O., Golden and Partridge Wyandots; C. W. Beman, Port Dickinson, N. Y., Buff Plymouth Rocks, Golden Wyandots and Buff Leghorns; C. E. Vass, Washington, N. J., five varieties of thoroughbreds; R. E. Long, New Midway, Md., special prices on a dozen varieties of fine poultry; Wm. Weaver, Washington, D. C., Silver Laced Wyandots, Mongolian Pheasants and Pekin Ducks; Theo. Warner, Baltimore, Md., Blondinettes and Rosewing Tumblers; The Southern Lofts, Washington, D. C., Homers; E. S. Hickman, Cheyney, Pa., Blue Barred Rocks; Chas. T. Cornman, Carlisle, Pa., Games, Game and Variety Bantams; F. G. Bean, Fairview Village, Pa., celebrated strains of Barred and Buff Plymouth Rocks; A. E. Warner, Lincoln, Va., Barred Plymouth Rocks and S. C. Brown Leghorns; E. M. & W. Ferguson, Fisher's Island, N. Y., high-class land and water fowls; P. H. McCormick, Bel Air, Md., S. C. Black Minorcas, Bronze Turkeys and Pekin Ducks; L. B. Minich & Son, Carlisle, Pa., eight varieties of prize winning poultry; G. W. James, Waterford, Va., Plymouth Rocks, Minorcas, Brown Leghorns and Pekin Ducks; Chas. C. Townsend, Cheyney, Pa., many varieties of fine poultry; W. T. Levering, Baltimore, Md., Black Langshans; Geo. Cartlidge, New Britain, Conn., Single and Rose Comb Brown Leghorns; Jno. M. Allen, Washington, D. C., Black Minorcas; Ed. Hoffman, Glenville, O., Blue Andalusians, Buff Leghorns. Black Minorcas and Buff and White Cochin Bantams; Peirce Bros., Winchester, N. H., Games, Cochin, Polish and Game Bantams.



CONDUCTED BY J. C. LONG, NEW YORK CITY.

THE BARB.

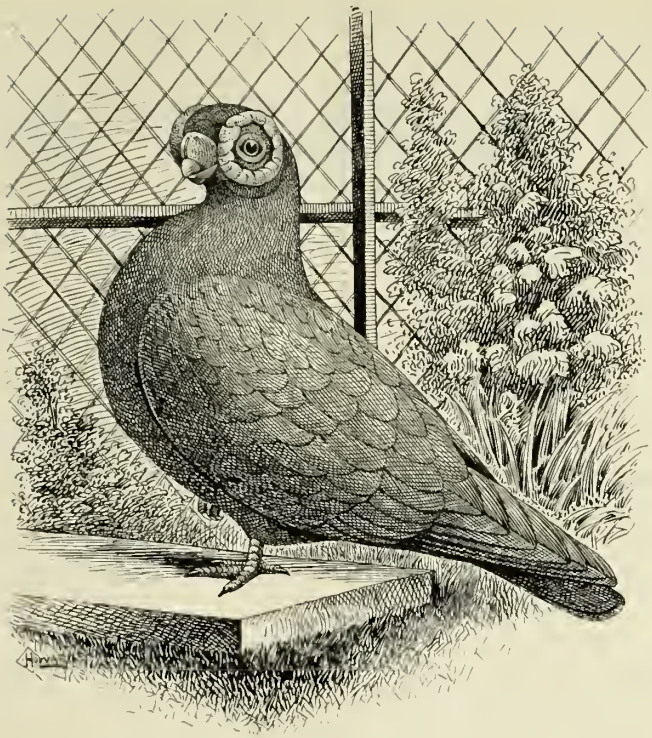
A High-Class Bird that is Difficult to Breed.

BY J. C. LONG.

WHILE possessed of several very attractive features and of quality enough to cause it to be classed for many years as a high-class Pigeon, the Barb has never been what might be termed a general favorite. It has had its special admirers, men that have devoted time, patience, energy and money to its propagation, and men who have considered it the finest pigeon in the fancy, but it never has had the extensive dissemination that the Toy varieties have had. One reason for this may be that good Barbs command high prices, and to import stock suitable to commence breeding with has been beyond the means of the general fancier; so he has turned his attention to those within the limit of his means and such as have been procurable at home.

Barbs, so called, can at any time be found in large collections of fancy pigeons, but Barbs that deserve the name are like visits of angels, "few and far between." Between the high-class Barb and the Barb of the ordinary fancier there is so marked a difference that when compared together the inferior bird is dwarfed into such insignificance that you wonder its owner ever had the temerity to call it a Barb; and yet, as it has, and shows, the rudimentary characteristics of a Barb, in the ignorance of his inexperience he supposes he is justified in calling it such. I would warn all amateurs, if they select the Barb as a variety to make a specialty of, to beware of such specimens to start with. In course of time by careful selection and the introduction of blood from the best sources he might raise them from their lowly condition, but it would be a long series of experiments with the constant tendency to revert to the degenerate ancestors.

Begin with the best to be had, and you will find it requires all your skill and attention to keep up their quality. Very few men in this country retain their interest from year to year in one variety. Weary with unsatisfactory results, after a few years' trial they give them up for a new favorite, or under the pressure of business cares or removal to other locations, drop the fancy entirely. I note some of the best breeders of my time, among them Moore, Jordan, Scheld, Calell, Newell and Rittenhouse; all except the last two named have retired from the field and their stock is scattered and extinct. The chief attraction of a Barb is its head, and here centers all the skill and judgment of the breeder. To be sure, color and size must be looked after, but these are minor matters compared with head qualities. Barbs should be of one solid color throughout. White in any part of the plumage is a blemish not to be tolerated. In size, what may be called medium is the best, as a coarse Barb is unsightly and a diminutive Barb can never have the much desired head qualities. The head of a first-class Barb should be large and square, of equal width both front and back, the skull evenly arched, not curving in the center nor flat on the top, well filled out at its juncture with the beak, which should be short, thick and broad at its base; slightly down faced, upper and lower mandibles of equal thickness fitting close together, and in color, flesh slightly streaked with black or brown. The wattle should be large, extending across the upper mandible and well out upon it, high at the base and tilting slightly forward, of fine texture, with a slight depression down the center. The eye should be what is known as pearl in color, except in cases of Whites, when it should be black or what is known as "bull eye." The cere or eye-wattle should be circular in form, about the size of a nickel, smooth about the eye and gradually thickening to its outer edge, where it should be rounded or convoluted, and neatly serrated or laced. Its color should be a brilliant coral-red, and much of the attractiveness of the Barb lies in the color and regularity, as well as size of the wattle. A bird fine in every way, with a diminutive eye-wattle, would receive but little attention from visitors or judges if placed on exhibition, consequently much of the hope of the breeder is centered in the wattle.



YELLOW BARB COCK.

It increases in size as the bird advances in years, and is at perfection when the bird is between three and four years old; after this it has a tendency to double upon itself, and produce what is known as "spouts," which, if not early removed, cause great irritation and secrete a glutinous fluid that cakes about the eyes, becoming offensive to both nose and eyes of the owner and observer, and eventually destroying the sight of the sufferer. These spouts, if taken early, can be removed by clipping them with a pair of surgical shears. When this is done the operator must be sure and remove the little pimple that is always found at the base of the spout, otherwise the relief will only be temporary, because it is this little swelling that causes all the inflammation. By watchful care and a little experience these blemishes can be controlled and the bird's attractiveness be preserved for some time longer. When they get beyond control and the bird is no longer useful it becomes an act of mercy to end its existence by the easiest manner possible.

Barbs are good breeders, but on account of their short beaks not the best of feeders, and on this account many employ longer billed varieties as feeders. The selection can be left to the judgment of the fancier. Not every Barb raised will be a prize winner, and as it takes two or three years for their fancy points to become fully developed, the hopes of the fancier are kept constantly alive, watching for new developments, and with the expectation that each succeeding month will unfold some desirable quality. Herein lies the charm of Barb breeding and explains the reason why Barb breeders are so attached to the bird of their choice.

The Salt-Cat.

Editor The Feather :

Please publish in your next number a good recipe for making the salt-cat for pigeons. This favor would greatly oblige,

Yours Truly,
A. C. SHARP,
Lebanon, N. J.

Following are two recipes for making the salt-cat:

A simple way to make one is two parts of sharp gravel, one part old mortar (well pounded), one part coarse salt and one part loam; these should be mixed dry and kept in a box where the birds can get it when wanted.

A successful salt-cat is made by mixing well together one peck of coarse white sand and one quart of table salt. Excellent results have been had from this simple method.



TRAINING HOMERS.

An Important Question for the Reflective Flying Fancier.

BY T. FRED GOLDMAN.

(Continued from last month.)

FURTHERMORE, some few of my very best, most reliable and speedy birds of to-day never saw the inside of a training basket until a year old. From all this the reflective fancier cannot but recognize the desirability, or I may add the necessity, of going slowly in the cultivation of the flying strength of his loft, and not overworking or undermining the young bird during its first year.

I am firmly convinced that in the majority of cases where the life history of a really good bird, a speedy and reliable working Homer, is investigated and closely and reliably searched it will be found that the superb specimen of its owner's handiwork has been produced by careful and easy progression, and with its infancy qualities not dwarfed nor overtaxed by any severe and senseless 200, 300 or 400 mile journeys.

Of course there are many youngsters more hardy and precocious than others, and these exceptional birds who have accomplished speedy journeys under very favorable flying conditions may in subsequent seasons stand up and compare favorably with the work of those who have not been overworked the first year, but you will find such instances far more exceptional than the rule, and is a dangerous line to follow.

The training of the young bird sharpens the qualities of sight and memory, and the experience of going into the training basket and quitting it to journey home is an experience that undoubtedly cannot fail to stand it in good need in the season following when again taken in hand, or at least to render the lesson then being taught by its owner more readily grasped. The successful working of birds who have never seen the inside of a training basket until a year old (and their name is legion) upsets the arguments that training at three, four or five months old is necessary for full and desirable development of the bird later.

I know many excellent and successful flying fanciers both here and abroad who never work their young birds in club races, and who find them apt pupils the next year.

They rightly contend that such birds are more physically and mentally fit to do the flying work than those already flown from a distance which must overtax the muscular development of their young wings.

Be this as it may, I do not dispute nor condemn their practice, but my observation has taught me that the youngster with an easy experience of several liberations up to fifty and seventy-five miles, or even 100 miles, during its first year—and no night out—has proved to me a more likely and, in the majority of cases at my loft, a more valuable subject for improved work from the 200 miles, or even 300 miles, the second year than those not trained at all or flown from 200 miles as youngsters.

I have in my own personal experience purposely prepared year after year a few birds from most reliable and speedy pairs by easy progression annually, and at the same time flown their nest mates and others to the full limit of the 200 or 250 miles race scheduled as youngsters, and then up to 500 miles the next year, but the majority work slowly. I have invariably found my birds of easy progression and not overworked the first and second years undoubtedly my most reliable, strongest and speediest when sent into the old bird flying in their third year, and fourth year from all distances up to and including the 500 miles station. Another marked characteristic I have found with these birds of easy progression, as I term it, is that they come into better flying condition more rapidly than the overworked birds, and stay so longer, have more snap and vim in them, and furthermore appear to transmit a more healthful and vigorous constitution to their young.

The flying fancier must alone be the judge of his birds, and act in accordance with the particular qualities and characteristics of each one or strain.

By his close observation and experience he readily acquires the knowledge of which birds behave best under certain

conditions and from certain distances, and in a like manner which birds develop more speedily and satisfactorily under certain handlings.

These birds if trained blindly as youngsters will no doubt be dropped at the 100 miles station or thereabout, but if carried by easy progression annually in their third and fourth year develop into muscular and reliable racers fit to compete on any nasty day and against head winds. It must, therefore, appear unreasonable for the young fancier to stock his loft and then sail in to whip his older and more experienced brethren so handicapped as many are, and in the desire and enthusiasm of keeping afloat during the entire young bird race schedule of his club, he is slowly but surely undermining the vigor of his loft for future concours work in the old bird races where he is still more severely handicapped.

The young fancier cannot follow any one prescribed course for the successful education of his birds and the development of their physical and mental power, as so very many do annually to their sorrow, and when they blindly follow the work of their older and more experienced club member, who with his large and more varied resources can and certainly does take greater risk, and may even lose his entire season's production, without materially weakening his old bird flying strength for the season following. But with the venturesome young fancier it is far different, and he has in very many cases to commence all over again the next year with little or nothing in hand to his credit as flying strength. To this reckless training of young birds during their first year I attribute the non-progression and advancement of a certain class of flying fanciers. We have very many who year after year are heard from, as in the concours, but with spasmodic and feeble efforts, and even if they occasionally show up well on a particularly fine day, they again relapse into their former inactivity and poor work.

By not training his youngsters the first year, or by going slowly by himself up to fifty or seventy-five miles, and ignoring the club race schedule, at least portions of it, for two or three seasons, from the harder distances, he certainly is better prepared to meet his old competitors the year following, and has gained considerable knowledge of the stock he is handling.

Capital City Flying Club.

The young bird season of the Capital City District of the National Federation opened Sunday, Sept. 20th, with the first race of the series from Chester, Va., air line 109 miles. This was a very poor fly, as a strong northwest wind blew all day, which was very much against the bird making a good average velocity. W. H. Keyworth won first and second diplomas, with 719-718 yards per minute. The balance of the members reported as follows: McLain, Bliss, Wall, Gary, Darling, W. R. Keyworth.

The second race was a grand success, as out of fifty birds shipped forty were reported to the Race Secretary by the timers. The following is the result: J. C. Greggs telegraphed A. C. McLain: Birds liberated at 7 A. M. Weather hazy, wind southwest. The same conditions prevailed at home.

Loft owner	Name of bird	Av. speed, yds. per min.
W. H. Keyworth	Lady Trenton	1178
"	Miss Clifton	1175
H. C. Wall	Billey Wall	1169
H. K. Bliss	Imported Bess	1153
A. C. McLain	Barrie Mack	1152
W. L. Gary	Walker L.	1064
W. R. Keyworth	Miss Baldy	reported day of toss

The last race of the young bird season was flown Sunday, Oct. 4th, against a strong northeast wind, which was a great disadvantage to the birds, as they had to face that for 200 miles, and the result was slow time, the winning bird making little over 900 yards per minute. The following is the result:

H. C. Wall.....896 speed yds. per min.
H. K. Bliss.....891 " "
W. H. Keyworth.....879 " "
A. C. McLain.....848 " "

W. L. Gary and W. R. Keyworth did not report any birds day of toss. The club has decided not to go any further this season with young birds, as they think to try the 300 mile station this season will be too much strain upon their few good youngsters that have faced two such gales as that at the 100 mile station and that of the 200 miles. Now when the season of '97 opens up let it be the entire city flying as one grand district, and all the sore-heads get together and push the thing along in good shape, as when you get a good thing push it along. W. H. KEYWORTH.

350 Archangels For Sale!

☞Unsurpassed value for the money at $3.00, $5.00, $7.00 and $10 per pair.



Show or Stock Birds...

Always on top wherever exhibited, and have won all honors in a class of 48 birds, which represented the several prominent lofts of America in 1895.

Dark or Light Bronze...

☞Enclose stamp for reply. No postal cards answered.

GEO. G. FETTEROLF
Langhorne, Pa.

The Washington District's Races.

The Washington District of the National Federation has made splendid showing in the young bird races this season. The race from Belfield, Va., air line distance 153 miles, was extremely satisfactory. Owing to a strong northeast wind the birds were unable to keep up the average speeds of the former flights. However, the number of returns was greater. The birds were liberated at 7:40 A. M. Mr. P. E. Francis reported two returns at 1:09:17 P. M., making an average speed of 823 yards per minute, and four more a few seconds later. C. W. Boyd's two birds arrived 1:10:30, average speed 821 yards per minute, and nine returns within five minutes thereafter; P. Krouse at 1:12:20, average speed 819 yards per minute, three birds three minutes after first arrival; V. Eaton at 1:11:58, average speed 818 yards per minute, three birds closely following; G. R. Lorr, 1:13 average speed 817 yards per minute; C. Kluckhuhn at 1:12:46, average speed 168 yards per minute, three more a few minutes after; C. F. Hengesbach at 1:20, average speed 797 yards per minute; H. M. Dickinson at 1:17:42, average speed 794 yards per minute; Geo. Tucker at 1:37, average speed 763 yards per minute.

The last of the series was from Kittrell, N. C., air line distance 200 miles. Considering the rain and strong northeast winds which the birds encoundred on their journey homeward the results, both in numbers and average speed, were good. The birds were liberated at 7:25 a. m. Mr. Volney Eaton reported that the first bird arrived at 1:54 p. m., making an average speed of 909 yards per minute. Mr. Loar reported at 1:58 p.m., average speed 904 yards per minute; Mr. Boyd, catch and show at 1:58 p. m. (four birds), all (eleven birds) were home by 2:47 p. m.; average speed four birds 901 yards per minute; Mr. Francis, 1:58: 45 p. m., average speed, 899 yards per minute; Mr. Krouse, 2:05 p. m., average speed 888 yards per minute. Messrs. Hingesbach, Kluckhuhn and Tucker reported returns at 5 p. m. Mr Dickinson did not report returns.

The Show Homer.

The Show Homer is now recognized as a distinct variety of this interesting pigeon, and very justly so, as it is doubtful if the homing propensity is possessed by them at all except in theory. Be this as it may, the Show Homer is rapidly coming to the front as a popular, handsome, hardy and graceful exhibition variety. The number of breeders of this variety is ever increasing, but there are as yet few specimens worthy of note, thus proving the scope there is for enthusiastic and persevering breeders to not only greatly improve the variety, but immortalize their names by so doing.

The Polish Variety.

Nothing in the poultry world stands higher in the estimation of a poultry fancier than a group of Polish chickens. These birds are strong fliers and are very game, but may be easily whipped, as the large crest on the head gives them only a limited vision of their antagonists. This, however, is not a handicap, as they are bred to fancy and not to fight. These Polanders, besides being ornamental, are very useful and are sometimes called everlasting layers of large white eggs. In regard to color, they are found in black, white, silver and golden, both bearded and non-bearded.

The crest, which should diverge from a fleshy protuberance, surmounted on the top of the head, is the first and most important property of the Polish. It should be large and full and extend over the front of the head, but so constructed as not to obstruct the sight of the bird. Its color should be white in all cases except in the silver and golden. The cock's crest should resemble a foot-ball player's hair which has just been brushed, having a slight part down the middle, while that of a hen should present the appearance of a full-blown white rose.

The wattles should be light red, while the ear-lobes, or deaf-ear as they are sometimes called, should be pure white, as the least bit of red on them would spoil the bird's chances for a prize. The carriage of the Polish should be that of a Leghorn, head being carried well back and the wings close to the sides; the hackle feathers and the wing and tail coverts sitting gracefully, giving the bird a most handsome appearance. The sickle feathers should diverge from the tail in a long graceful curve and the shanks should be of a pale blue.

The young are easily raised from the hen, from which they should be taken at the age of two or three weeks. They should then be given a large run and plenty of animal food, and you will find that they will thrive splendidly. Great care should be taken in mating these birds so as to produce a large crest, and any one who has ever accomplished such a thing will find what a pleasure it is to look at a group of Polish chickens.

F. G. Boswell.

He Feeds His Mate.

When canaries are hatching, the proud, prospective papa takes a turn on the eggs and feeds his mate very generously, sometimes making twenty-five trips to the seedbox and carrying water in his bill.



CONDUCTED BY DR. F. H. KNOWLTON, U. S. NATIONAL MUSEUM.

THE SKYLARK.

A Popular Songster Esteemed for Power and Brilliancy of Song.

BY ELLSWORTH.

THE Skylark is entitled to a prominent position in the foremost ranks of our songsters, whether we contemplate its merits whilst soaring high amid the clouds of song, mellowed by distance into delicious cadences, or as the pet of some family cramped in between the walls of narrow streets in the midst of our densely-populated towns. Even under these adverse circumstances a Lark will enliven the whole neighborhood by the clear and lively tones of its inspiring song, which is to be especially esteemed for power and brilliancy.

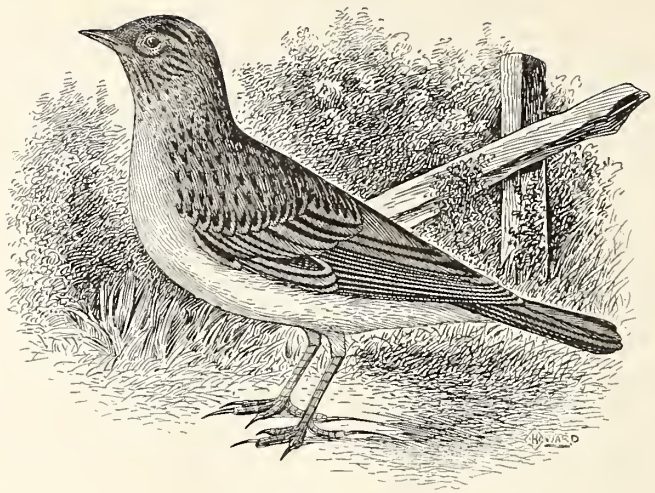
Even when caged the Lark seems constrained to use some muscular exercise during singing, for it flutters its wings and tramples the turf as if it were once more free. Excepting perhaps the Nightingale, no bird would seem to have exercised the quaint conceits of poets with more felicity than the Skylark, yet, as with most of our sweetest songsters, its plumage is most unpretending. The beak is dark brown above, pale yellow-brown at the base; the feathers on the top of the head dark brown, edged with paler brown, and rather long so as to form a crest, which the bird can elevate at pleasure; the cheeks are pale brown, the whole of the upper part is varied with three shades of brown, the center of every feather being darkest, giving the bird a streaked or spotted appearance; the tail is brown, except the outside feathers, which are white; the throat and upper part of the breast pale brown, streaked with darker brown; the belly pale yellowish-white; the legs strong, and the feet especially formed for walking, the hind toe being long and straighter than with perching birds. Though it is very difficult to distinguish the difference between the sexes, the female is slightly smaller than the male, and its plumage is given by most authorities as being rather darker.

In the fallow lands or out in the meadows amid a wealth of buttercups and cuckoo-flowers, in a slight indentation of the ground, the Skylark builds its nest, in direct antithesis, as it were, to the boldness of its flight. The nest is very simply constructed of dry bents of grass and the eggs are from three to six in number. The young are easily reared if properly attended to, though they are inexorable in their demands to be fed early. This should be at four or five o'clock, and by no means later than six o'clock, when a few mouthfuls must be given, and so on at short intervals during the day. A little given often is far better than over-cramming. They should be given soaked bread mixed with crushed hemp-seed and a little scraped beef and egg. The adult birds may be fed on bread crumbs and crushed hemp-seed, varied with morsels of cheese or potatoes or any table scraps. A better but more expensive food is bread crumbs and crushed hemp-seed, German paste, scraped beef and egg, varied with gentles and meal-worms.

The Skylark is a strong, hardy bird and will stand a deal of cold weather. Though the bird is never seen near a pond, as it drinks when wild the dew from the grass, it is very fond of dusting, and should always be provided with plenty of road gravel, such as may be found in the roadside gutters after a heavy shower of rain. No perches are required, but a piece of turf should be placed in the circular front of the cage, which should be of the ordinary Lark pattern, obtainable of any wire-worker. As the Lark always lives upon the ground when not soaring, and seldom settles upon a tree or bush when wild, in the aviary a piece of turf should always be provided and set aside out of the reach of the perches.

The Jungle-Fowl.

According to Mr. D. G. Elliott, there are four well-established, and a possibly doubtful fifth, species of jungle-fowl, from which spring all the different forms of the common fowl. Two species are island forms—*Gallus varius* from Java and neighboring islands and *G. Lafayetti* from Ceylon. The other species are *G. Sonnerati* of southern India and *G. ferrugineus* of northern India, Assam, Burmah and Timor. The doubtful species, *G. stramineicollis*, is from Sulu.



THE SKYLARK.

In describing their habits Elliott says: "These birds are natives of jungle tracts and deep forests, though they will come out into the open cultivated ground near their retreats to glean among the stubble. In such places, when approached, they take wing readily, flying steadily with rapid beats and alternate sailings, alighting at the edge of the covert, and run swiftly into some place of concealment. The cocks crow and the hens cackle the same as barn-yard fowls, but in somewhat sharper tones. The cocks usually carry the tail drooping, erecting it only when challenging a rival or paying court to the hens. The males fight desperately among themselves, and death often follows the stroke of the terrible spur."

The flesh is said not to be very good, being dry and tough, and the birds are hardly considered worth killing by the sportsman. F. H. K.

Expensive Bird Skins.

Skins of the Great Auk are still more valuable than eggs, but the number of transactions has been very much fewer; in fact, it is believed the last one previous to the sale this year took place in 1869. This had belonged to Dr. Troughton, and brought £94 10s. The Edinburgh Museum had an opportunity of acquiring one in 1870 for £100, but the offer was declined. However, in 1895, a fine specimen was secured for 350 guineas. The Great Auk preserved in the Natural History Museum of Central Park, New York, cost £130 in 1868. Previous to this the value rapidly declines, so to speak, as in 1860 Mr. Champley bought a skin and egg for £45. It is safe to say they would fetch ten times as much now. The skin possessed by Mr. Malcolm, of Poltalloch, Lochgilphead, New Brunswick, is thought to have cost originally, about the year 1840, only £2 or £3.

Mr. Bullock's Great Auk, sent to him from Papa Westra, Orkney, was, after his death, sold in the year 1819 for £15 5s. 6d., and this, although it was a genuine British specimen, and, therefore, almost if not quite unique in this respect. Yet—and this must close the summary of prices—the value of a skin in 1834 was only about £8. Truly, *tempora mutantur.*

The Great Bustard.

The Great Bustard formerly haunted all the level countries of England, and was particularly common on Salisbury plain. From the reign of Henry VIII. repeated measures were passed in order to protect it; and it is expressly included under the head of game in the statute of the first year of the reign of William IV., which codified and reformed the laws relating to game. The close season for Bustard shooting was and is from the 1st of March to the 1st of September. But the native Bustard is now extinct in England. The last was killed at Swaffham, in Norfolk, in 1838. Any that have been shot since have been merely casual visitors, probably coming from the plains of Saxony. The causes of the disappearance of the Bustard are, firstly, the sport they afforded, for they were hunted with greyhounds as well as shot; secondly, the increase in the amount of cultivated land. This largest of European birds, weighing as much as thirty pounds, could no longer find any sufficient support on the closely cropped plains of England.

THE FANCIERS' BUDGET.

Communicated Items Carefully Selected for The Feather's Readers.

Mr. Hughes' Two Pets.

SOUTH PORTSMOUTH, R. I.

Editor The Feather:

I forward you a photograph of a few of my winners in Black Langshans. I also include the pictures of a cat and dog; these are winners also, although not pedigreed or even shown. They may prove of interest to you from an artist's, as well as a fancier's point of view.

The dog, when I brought him home, I could put in my coat pocket. He slept under my bunk when camping out and was my companion day and night for eight years. Poor old fellow! He has joined the dogs in the happy hunting ground (if there is such a place), and I am not ashamed to say, when I buried him that the tears ran down my face so I could hardly see to put him away; and even now I find myself with moist eyes at times when I think of the companion he was and of the affection he showed for me. Call it foolish if you will, I am willing to be called childish even, but a truer friend in a dumb beast no man ever owned.



SPOT.

I have seen him stand on a live bird in the brush when he was retrieving a bird I had killed. He would fetch a duck from the water in the dead of Winter when ice would make on his coat after coming from the water. I missed him once in some way when on a gunning trip and he stayed by my boat, which I had left on the shore, for a day and night, till I went to look him up. I could point out a chicken in my flock and he would catch it and lay it at my feet without harming a feather. Many a time have I tied a note to his collar and sent him home and he would bring a reply in the same way. In fact, he could do anything almost but talk, and I could fill pages with incidents of like nature as those cited. His name was Spot. In breed a full-blooded English setter. He was only a dog, but a more lovable and affectionate companion no man ever owned. Would that all the human family were as true and honest as Spot.

The cat, Monkey by name, breed just plain cat, is the property of my better-half. His specialties are drinking milk and catching rats. You say "rat" to him and he will prick up his ears equal to a terrier. Call him and he will run with you like a dog, and hunt among old lumber or anywhere you will work with him. When he catches his game he will carry it to the house and not be satisfied until his mistress has seen it. When he wishes to go out of the house or enter a room, if the door is closed he will reach up and rattle the knob with his paw and keep at it until he attracts attention and is waited on. When outdoors he will jump up on a table which stands by the window, reach up and put both paws on the window pane and commence to paw until the friction of his paws on the glass makes a squeaking noise, such as one would make by rubbing the finger up and down a pane of glass. He early evinced a liking for Brown Leghorn chicks, and as he was such a great pet we could not kill him, although he grew sleek and fat on the chicks, so we attach him to the end of a chain a few weeks each year in chicken time. He never attempts to touch a chick except when it is first hatched or a few days thereafter, and as I consider myself to blame for his evident liking for young chickens, as I threw the dead chicks from the incubator where he got at them when young, I forgave him his trespasses and he still lives and is one of the fixtures of the O. K. Yards.



MONKEY.

Yours Fraternally,

"O. K. BILLY."

The American Owl Club.

DORCHESTER, MASS.

Editor The Feather:

At the last meeting of the above club, held at New York, Feb. 8, 1896, it was voted that the club provide two suitable cups as specials to be competed for in the young bird classes this coming show season; one for the best English Owl cock or hen, bred in 1896, and one for the best African Owl cock or hen, bred in 1896. It was also voted that the birds must be American bred, banded with the Willett's enamelled band for this year, and be exhibited by a member of our club in good standing.

The Secretary in due season sent out communications to each member requesting that they remit their dues as early as possible in order that he could make a statement and acquaint every member as to just how the club was progressing. Dues from members came in somewhat

slowly and quite a number have yet to be heard from, and in consequence I thought it best to make no statement further than the above until our next meeting. Will those members whom I have not heard from up to date please forward their dues for 1896, which became due on July 8th?

With what money there was in the treasury and what I have received in dues from old members and initiation fees from two new members, I am pleased to state that I have the amount required to purchase the two cups and have forwarded same to Treasurer Geo. W. Eckert and given him orders to have them gotten under way as soon as possible.

As no vote was taken at our last meeting as to where these cups shall be competed for, it now becomes necessary for me to call for a vote from each member, and to save time and trouble I ask each member to kindly drop me a postal card giving his vote on this subject, and also where we shall hold our next annual meeting of 1896–97. When all the votes are in I will make it known through the press.

In addition to the above two cups Mr. Geo. W. Eckert, of Allentown, Pa., has kindly donated a splendid cup, and he writes under date of July 1st: "I have bought my cup and same will be finished in a few days, and I can assure you it will be a dandy, and it will compare with most any I have seen and will be one of the finest and something entirely new." I don't just remember how this cup is to be given, but the most interesting way to dispose of it, to my way of thinking, and the way it would bring out the most competition, would be to give it to the best Owl cock or hen, any variety, bred in 1896; but, of course, the donor has the right to place it as he choses.

GEORGE FEATHER,
Secretary.

From Northwestern Pennsylvania.

ERIE, PA.

Editor The Feather:

Never were the prospects of a large show better than are those of the third annual exhibition of the Northwestern Pennsylvania Poultry, Pigeon and Pet Stock Association, which will be held at Erie, Pa., Jan. 19–23, 1897. This association has the reputation of giving first-class exhibitions and up-to-date in every respect. We are prepared to meet our promises, which you will find in our handsomely printed Premium List.

Our regular association premiums are liberal; a good list of specials, besides several silver cups are offered. Many breeders of note have made known their desire to show with us this year.

With such judges as J. Y. Bicknell for poultry and Geo. Ewald for pigeons you surely cannot afford to miss the opportunity to secure a score card as a reward of merit.

Send your best birds and fill up the classes and receive your share of the prizes offered and it will pay you to win. The management promises the best of care in every respect, so you need not hesitate to send your best if you cannot come yourself.

The list of officers is as follows: Capt. J. J. Baxter, President; Geo. Rinderle, First Vice-President; Prof. C. G. Winkler, Second Vice-President; Peter Wingerter, Secretary; Louis Lander, Treasurer; Executive Committee, Wm. Sapper, Chairman, W. P. Grazier, Geo. A. Fredericks, L. E. Gingrich, J. F. Scholz; Judges, J. Y. Bicknell, Buffalo, N. Y., and Chas. Ewald, Cincinnati, Ohio.

Fraternally,
PETER WINGERTER,
Secretary.

On Business Principles.

ST. LOUIS, MO.

Editor The Feather:

St. Louis will probably have one of the best shows in the West, Dec. 1–5, 1896. At the last meeting of the St. Louis Poultry Association the subject of incorporating the "St. Louis Fancier's Club" was brought up. The matter was thoroughly discussed, and it was suggested that the club be incorporated under the laws of Missouri, with a capital stock of $2,000, divided into 200 shares at a par value of $10 per share.

A subscription list was started then and there, and more than 100 shares were subscribed for on the spot.

A number of absent members and others interested will no doubt take up the balance of the stock. This is a step in the right direction, and there is no question but that a first-class show conducted on business principles will meet with a hearty support and prove a good investment for those interested.

That St. Louis is a good show town is well known to all who have ever exhibited there. With a promise of liberal cash premiums, and such competent and well-known judges as Sharpe Butterfield and H. A. Bridge, the breeders of fancy poultry will do well to look out for St. Louis.

Yours Truly,
A MEMBER.

The Berks County Show.

READING, PA.

Editor The Feather:

The Berks Country Poultry and Pigeon Association have reconsidered their action against a show this Winter, and will hold one at Reading, Pa., Christmas week—December 23–26, inclusive, 1896.

The judges will be J. H. Drevenstedt

and H. B. May on poultry classes, and W. J. Stanton on pigeons. Entry fees in open classes for poultry and pigeons will be 50 cents per bird, and on pens $2. Prizes will be $2, $1 and v h c in open classes, and $4, $2 and v h c on pens. H c and c will also be given wherever merited.

Premium Lists will be ready early in November, and will be sent to all applicants. Rules and classification liberal.

Yours Fraternally,
A. M. SHOEMAKER, Sec'y.

A Good Time Promised.

MIAMISBURG, OHIO.

Editor The Feather:

The prospects for a big show at Miamisburg, Ohio, Dec. 15-19, 1896, are exceedingly bright. The association will offer grand silver cups and medallions in each standard breed, while a superb list of specials has already been offered by the business men of the city.

The officers are as follows: H. G. Wentz, President; Ed. G. Dutcher, Frank Cain, Wm. Wehner, Elwood J. Benner, Anthony Herzog, Vice-Presidents; Oliver L. Dosch, Secretary; G. W. Arend, Treasurer; L. A. Dosch, Ed. G. Dutcher, Elwood J. Benner, Carl Stine, Anthony Herzog, Executive Committee.

Premium List now ready.

OLIVER L. DOSCH, Sec'y.

The State Show.

HOUSTON, TEX.

Editor The Feather:

The Texas State Show of the South Texas Poultry and Pet Stock Association will be held at Houston, Tex., Dec. 22-25, 1896, Mr. I. K. Felch, judge. The list of officers is as follows: E. H. Vasmer, President; Judge J. W. Campbell, Vice-President; C. C. Deane, Secretary; Chas. G. Glass, Treasurer; Executive Committee, Jas. Journeay, T. E. Millington, Mrs. M. T. Gombert, Mrs. P. S. Gladstone. Yours Fraternally,

C. C. DEANE, Sec'y.

An Amusing Incident.

CANTON, OHIO.

Editor The Feather:

An incident occurred in this city which amused many Homing fanciers around here. The fun came around in about this way. Mr. Clifford Boylan, of this city, was about to start in the Homing fancy, and resolved at the beginning to start in for good by purchasing birds from a fancier who has Homers which can fly. Mr. ———, who lives not far from his place, had all Summer been talking about his birds performing marvelous feats, such as flying a cock from Chicago nine times, always home same day of liberation, and flying this same bird still greater distances with far better results. The truth of it is that nobody ever saw Mr. ——— send his birds on long journeys, and when he does send his birds to fly it is mostly around twenty and fifty miles, but nevertheless his birds fly great distances. Mr. Boylan concluded to buy and try Mr. ——'s strain of Homers, which have quite a reputation in this city. He went over to Mr. ———'s lofts Sunday and found the owner at home. Mr. ——— had some birds among his flock which looked great, but among the flock were some with large crests, such as Turbits and Archangels have, which he was anxious to sell to Mr. Boylan for a low price, saying they were just as good stock as could be had anywhere. Now Mr. ——— should know better than that if he has been a breeder of Homers any length of time. Some one asked him why his birds had crests, to which he replied that they were breeding back to the Antwerp. Ha! ha! breeding back to the Antwerp! What a great strain of Homers he must have! I should think he sells many youngsters each year. Hoping your paper succeeds throughout the year, I remain, Yours Truly,

EMIL HUTTER.

When writing our advertisers always mention THE FEATHER.

EVERGREEN POULTRY YARDS
George Cartlidge, Proprietor
BREEDER OF
SINGLE AND ROSE COMB BROWN LEGHORNS
NEW BRITAIN, CONN.


POSITIVE MONEY MAKERS
THE NEW STYLE SUCCESSFUL INCUBATOR AND BROODER. Our NEW CATALOGUE and BOOK on POULTRY tells all about them and many OTHER THINGS the poultry man should know; worth a dollar but we send it for 6c. in stamps. Address the Des Moines Incubator Co. Box 3 Des Moines, Iowa.

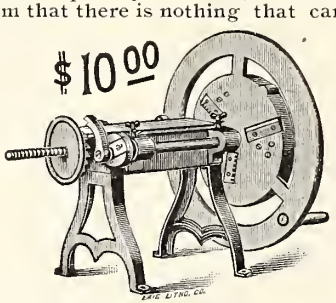

THE BUSINESS WORLD

As Viewed From the Columns of The Feather.

NECESSARY FOR SUCCESS.

It is an established fact that green cut bones are necessary for successful poultry keeping. When nature ceases to supply the insects on which poultry thrive in Spring and Summer, the poultryman who is alive to business must do what nature cannot do in Winter and feed fowls on green cut bone.

Green bones are rich in nitrogen, and, therefore, serve as food. When a bone contains a large share of adhering meat it is all the more valuable. Bones serve several purposes when used for poultry. Being phosphate of lime, they are capable of being digested, which is not the case with oyster shells and grit; and they supply the birds with elements that may be lacking in the food. They also assist in grinding the food, taking the place of grit, and are readily accepted by all classes of poultry. In fact, it is safe to claim that there is nothing that can be



used as egg-producing food which serves the purpose so well as green bone, its combination of qualities, nitrogen, lime for egg-shells, cost and adaption to all fowls and all ages—give it a place even higher than meat, which contains nitrogen, but no lime or other mineral matter.

Messrs. Stratton & Osborne, Erie, Pa., are the manufacturers of the Dandy Green Bone Cutters. The illustration is an exact representation of their $10.00 machine, built on the same model and principles as all their others. You will notice they advertise machines from $5.00 to $18.00 each. These machines are simple in construction, easy of operation and fully warranted to do the work required of them. The manufacturers have such explicit faith in their machines that they send them on trial. This is evidence enough to convince the most skeptical that the "Dandy" machines will do their work and do it well, too. See their ad. elsewhere in this issue and write them for their large new illustrated catalogue and price list just issued.

THE MODEL MONITOR.

One of the most interesting incubators in the market is the Model Monitor Incubator, manufactured by A. F. Williams, 25 Race St., Bristol, Conn. Mr. Williams has made and sold a vast number of these machines in all parts of the world, and he begins the coming season with enlarged facilities for supplying a larger number than ever before. Those who contemplate buying incubators and brooders should write Mr. Williams for his large new sixty-four page catalogue, which tells all about the construction and detailed arrangement of his incubators and brooders. The machines are splendidly built, only the best of material being used in their construction.

As regards its merits as a hatcher, we know of no better way to testify to them than by referring to the following letter, which explains itself:

SACRAMENTO, CAL., Sept, 22, 1896.

Mr. A. F. Williams, Bristol, Conn.:

DEAR SIR:—The California State Fair has closed and the Monitor has taken the honors away from well-known California machines. The following is the list of awards:

For best display of incubators in operation, 1st premium; for incubator hatching greatest number of chicks, 1st premium; for best display of poultry fixtures, 1st premium.

The Monitor has received the endorsement of all the poultry breeders and experts, who all recommend without exception the trip lamp, as the different tests which we allowed them to make proved entirely successful in every case. The California State Poultry Association held a large show in our large pavilion and also endorses the machine. I could fill a large book with the high compliments that were paid to the Monitor, as it was so much more improved than any of the machines here. "The machine hatching the greatest number of chicks" was the 200 egg, and was run under difficulties that a hot air machine could not stand, and happened in this way: A green watchman saw the flickering of the lamp, as the regulator worked, and, without making any inquiries of his superiors, blew the light out.

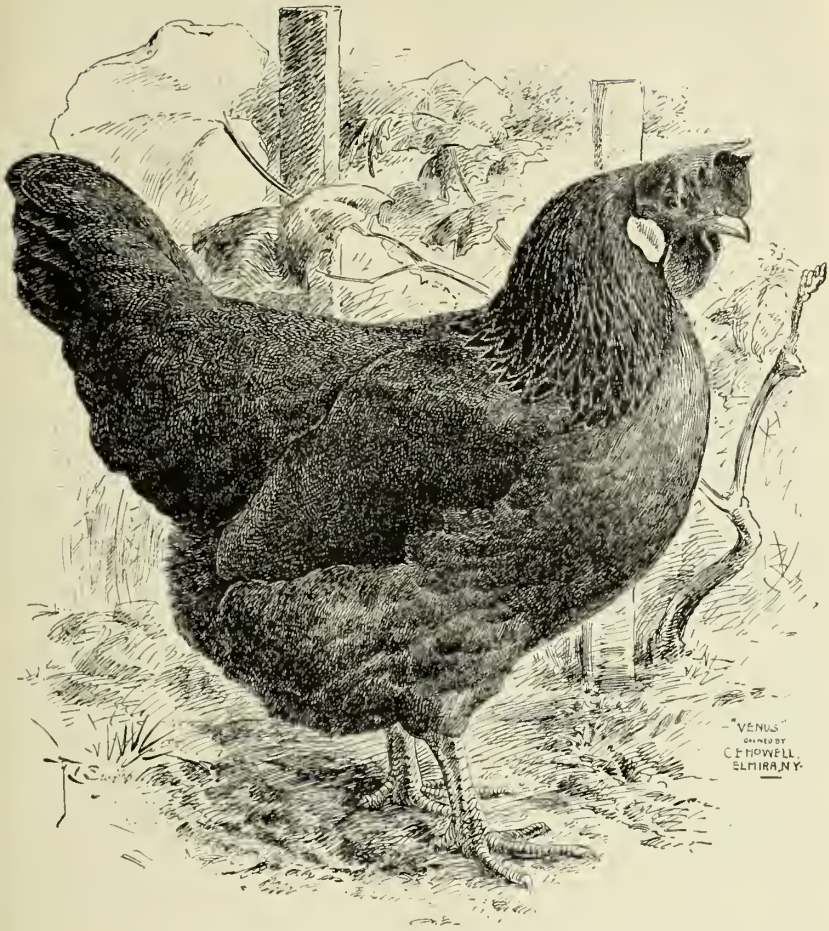
In closing, I will say that we must pay you the compliment that in all our dealings with different firms we have never had any that we could repose more confidence in than we do with you, as it is certainly a pleasure to do business with you. Respectfully,

F. E. TOWNSEND & Co.

A STANDARD BREEDER.

One of our constant and prosperous advertisers is Mr. C. E. Howell, Elmira, N. Y. Mr. Howell has been with THE FEATHER since its first inception. Considerable pleasure is taken in writing this testimonial to the merits of Mr. Howell as a standard breeder of Brown Leghorns and Buff Wyandots. His success has been phenomenal in the showroom, and his stock has been pitted against some of the best in the land. Mr. Howell is a practical man and has reasons for everything he does; this is clearly shown by his logic below as to why he breeds these two grand varieties of poultry. He writes as follows:

"If I were raising for the market I could raise two Leghorns on the same space of ground and with the same feed that it takes to raise one of the Asiatic



"VENUS," FIRST PRIZE HEN AT BOSTON, 1896.

variety, and when dressed and weighed, the two Leghorns will bring as much or more than the one large fowl.

"They lay the greatest number of eggs the year through of any breed, nice, large white ones. They are quick and active, consume but little food in comparison to the results obtained. For beauty they have no equal. The male, with his erect evenly serrated comb, clear white ear-lobes, brilliant red on the neck and back, black breast and greenish-black tail, and his proud and watchful motions, is as handsome a sight as could be wished for. The female is the mate that could be expected with her showy partner. She has a trim, clean-cut body, back and wings delicately penciled with a light brown, comb falling evenly to one side, red face and white ear-lobes. They retain the rich yellow color of the legs until they are very old. The Brown Leghorn is rightly called 'the people's favorite.'

"For some time I have sought a breed that could be used as an all around bird, for eggs in the Winter and for early mothers especially. I have found this in the Buff Wyandot, combined with a rich color now so popular and the fine shape found in the Wyandot family."

THE WEST CHESTER SHOW.

The West Chester (Pa.) Poultry Exhibition will be held December 16-19, 1896. The Executive Committee held a meeting and adopted a list of cash special awards for the coming show. This year the offers are much larger than ever before, and beside the regular awards about $150 will be given away to the exhibitors.

The entry blanks will be shortly sent out, and it is expected that the show this

season will include at least three thousand fowls of all kinds from all parts of the country.

For further information apply to Fred. D. Reid, Secretary, West Chester, Pa., and secure a Premium List and entry blanks. The show will be under the supervision of E.E. Rodenbaugh, Superintendent. The show-room is a fine one, it being well lighted and ventilated. Send along your entries.

Judges, J. H. Drevenstedt and P. H. Scudder.

WELL ESTABLISHED.

The well-established business of Mr. H. W. Vahle, of the Quaker City, is well known throughout the country. Mr. Vahle has two stores in Philadelphia and conducts a large business in poultry, pigeons, birds, pet stock, gold fish, aquariums, etc. A large percentage of the stock handled by Mr. Vahle is imported and is of superior quality. He supplies many fanciers with prize winning stock and breeding birds. His poultry department is complete and all the standard varieties of poultry are to be found in his store. His stock of pigeons is of the same high character as his poultry. Any variety of pigeons can be had of him at any time. This Fall he has made extraordinary exhibits at Mt. Holly, N. J., the Trenton State Fair and the recent Hagerstown Fair. At these shows he has won many premiums. His list of awards on pigeons at the Hagerstown Show, published in this issue, will give an idea of the numerous varieties which Mr. Vahle has on hand. He had about one hundred and fifty pairs of pigeons on exhibition. At the Trenton State Fair his exhibit was one of the attractive features of the show, and the thousands who were in attendance lingered longer around his booth than elsewhere. He had a grand display of canaries and cages at Hagerstown. These tiny little songsters made things cheerful with their sweet songs, and their bright bronzed cages looked dainty as compared with the larger and more massive cages of the poultry and pigeons on exhibition. Those desiring poultry, pigeons, birds, parrots, gold fish, aquariums, cages, etc., should write him for his large illustrated catalogue and price list. See his ad. elsewhere in this number and read what he has for sale. The catalogue is nicely gotten up, of handy size and makes a splendid reference book.

WORTH HAVING.

The Von Culin Incubator Co., Delaware City, Del., have just issued their new catalogue for '97. The book is a handsome thing and reflects great credit on them. It has sixty-four pages and cover, thoroughly illustrated with fine half-tone plates, and printed on the best of paper—coated book. The typographical appearance of the book is of the highest order. The readers of THE FEATHER will make no mistake if they send for one of the catalogues, and we are sure that the Von Culin Co. will sell you an incubator or brooder that will do its work in keeping with their handsome new catalogue. They sell machines on trial.

HE SOLD WINNERS.

It is gratifying to a breeder to sell birds that will win in the hands of his customers. Mr. F. H. Wood, one of our regular advertisers, sold some handsome Black Minorcas that won in their classes at Hagerstown last month. They were rare specimens.

GOOD PRINTING.

Every one in business needs printing done, and nothing will do so much for one's business as good printing. The Spaulding Printing Co., Spencertown, N. Y., caters to printing for poultrymen, and quotes low prices for this class of work. They furnish free all cuts necessary for your work, guaranteeing fine work and prompt delivery. See their ad. and write them.

TRANSFERS OF STOCK.

From the lofts of G. R. Bayle, Philadelphia, Pa. Homers—N. P. Nichols, St. Louis, Mo., 633, B. C. C. F. G. Bourne, Oakdale, L. I., 659, 660. R. W. Phillips, Philadelphia, Pa., 623, 624, 630, 398. S. F. Good, Tower City, Pa., 572, 617, 472, 471. C. Vanderbeek, Somerville. N. J., 468, 755. William Longnecker, Sora, Pa., 591, 381, 747, 749. C. A. Farnsworth, Scranton, Miss,, 552, 618, 590, 556, 569, 567, 616. Robert Boulby, Port Morris, N. J., 757, B. C. C. S. I. Cohen, New York, 632, 717. J. H. Wooley, New York, 558, 750. P. DeCumbe, Cleveland, Ohio, 628, 631. A. A. Thompson, Uniontown, Pa., 610, 739, 740. C. E. Bird, Newark, N. J., 585, 625. C. Brotsmarkle, Lonaconing, Md., 532, 619, 559. Jean B. Furst, Lock Haven, Pa., Black Dragoons, 36, 250, 380, 469, 474, 727, 746; Red Dragoons, 112, 311, 476, 634; Yellow Dragoons, 731, 732; Dun Dragoons, 475. J. H. Wooley, New York, Black Dragoon, 109; Dun Dragoon, 360. E. S. Marsh, St. Louis, Mo., White Dragoons, 47, 48, 50. G. C. Beck, Newark, N. J., Black Dragoons, 244, 251. E. S. Kirkbride, Morristown, N. J., Black Dragoons, 18, 464.

DATES ARE FIXED.

KNOXVILLE, TENN.

Editor The Feather:

The annual exhibition of the East Tennessee Poultry Association will be held at Knoxville, Tenn., December 16–19, 1896. Write for Premium List.

Fraternally,

HARRY A. REEP, Sec'y.

FORTUNE KNOCKS ONCE AT EVERY MAN'S GATE:

CLASSIFIED ADVERTISEMENTS

Fully prepaid advertisements of six lines or less inserted under this heading at the following rates:

One time	$ .50
Three times	1.00
Six times	2.00
One year	4.00

PLYMOUTH ROCKS.

PLYMOUTH ROCKS—Barred and White. Hundreds of fine breeding and exhibition birds for sale; bred in line for years from high scoring stock. Also Buff Cochin Bantams. Write for prices on what you want and mention THE FEATHER. F. J. MARSHALL, Sunny Side, Ga.

RIDGELY'S BARRED PLYMOUTH ROCKS are going to the front. They have won wherever shown, and are going to win again. Birds and eggs for sale. JOSEPH PHIPPS, Manager, Towson, Md.

FIRST cock and first cockerel on Barred P. Rocks at the big Mt. Gretna Show, Sharpe Butterfield, judge. The finest line of cockerels I ever raised at reasonable figures. Describe just what you want in color, etc. A. W. MARBURGER, Denver, Pa.

WILSON'S FIRST PRIZE WINNING BUFF PLYMOUTH ROCKS. World's Fair, '93; Troy, N. Y., '94; New York, '95. At the recent New York Show won 1st, 2d and 4th cock; 1st, 3d and 4th hen; 1st and 3d cockerel, and 3d and 5th pullet. Eggs, $5.00 per 13; discount on two or more sittings. J. D. WILSON, Box 127 C, Worcester, N. Y.

BUFF PLYMOUTH ROCKS EXCLUSIVELY Clean sweep at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

HILLSIDE POULTRY YARDS.—GEORGE SCHRADE, Sykesville, Md., breeder of thorough-bred Buff, Barred and White Rocks, Buff Leghorns and Cornish Indian Games. Show birds a specialty. Breeding stock at reasonable prices. My stock is second to none. Satisfaction guaranteed.

BUENA VISTA POULTRY YARDS. Barred Plymouth Rocks, S. L. Wyandottes and S. C. Brown Leghorns. Winners wherever shown. Eggs in season. Write for wants. FRED. KLOOZ, Nashville, Tenn.

THREE FINE BARRED PLYMOUTH ROCK YEARLING COCKS for sale cheap; also, cockerels for sale. Thompson and Bradley Bros.' strains. Barred Plymouth Rock and Buff Cochin eggs for sale in season. J. C. ADAMS & BRO., 66 Cabell St., Lynchburg, Va.

BUFF PLYMOUTH ROCKS, Golden Wyandots, Buff Leghorns exclusively. Send for list of prizes at Boston, Rochester, Scranton, Mt. Gretna, etc. At Newburg, 1896, won ten 1sts, five 2ds, three 3ds. At Hagerstown, Buffs from my yards won 12 awards on 12 entries. CLIFFORD W. BEMAN, Port Dickinson, N. Y.

LEGHORNS.

S. C. WHITE LEGHORNS. Have been a breeder of this beautiful variety for twenty years and can sell you the best of breeding in *Choice Show or Stock Birds* at reasonable prices. DR. W. A. GIBSON, Jackson, Mich.

S. C. B. LEGHORNS—Winners at Rochester, Hamburg and Binghamton. Rich color, pure white lobes and true Leghorn shape. A fine lot of youngsters ready for the early shows. Mention The Feather. W. B. GERMAN, Specialist, Dansville, N. Y.

S. C. WHITE AND BUFF—About 75 of those pure white and fine even buff winners at the Frederick Show. Stock from the best strains in the country for sale cheap for quality. Also, a few fine Light Brahmas and S. C. Brown Leghorns. HAMME BROS., Smith's Station, York Co., Pa.

BRAHMAS.

DR. S. C. MOYER, Lansdale, Pa. Breeds L. Brahmas, B. Cochins, B. P. Rocks and W. and S. Wyandottes. Choice stock for sale.

COUNTY LINE POULTRY YARDS breed the choicest strains of Light Brahmas, Barred and White Plymouth Rocks, S. C. Brown Leghorns, Mammoth Bronze Turkeys, Toulouse Geese and Rouen Ducks. Stock for sale. Eggs in season. Send for price list, with prizes won. A. C. BARLOW, Millers, N. Y.

LIGHT BRAHMAS. STEPHEN SPENCER, Morris Plains, N. J. Originator and breeder of the famous Duke of Morris Strain of Light Brahmas. Eggs $2.00 and $3.00 per sitting. Buff Pekin Bantam eggs, $3.00 per sitting. Buff Cochin eggs, $4.00 per sitting. Light Brahma cockerels, $2.00 to $5.00. When writing for wants mention The Feather.

STOCK FOR SALE! Young and old—R. C. and S. C. Brown Leghorns for sale at $1.00 each; this includes our breeding stock and offspring for this year. Will also sell Light and Dark Brahmas, Buff and Partridge Cochins at reasonable prices. This is our best stock, of which we have more than we care to keep over. Everything guaranteed. MIKADO POULTRY FARM, Charlotte, Mich.

COCKERELS—Light Brahmas, S. C. W. Leghorns and B. P. Rocks, from the best strains the country affords, such as Knapp Bros., Wycoff, Allen, etc. Now is your chance; the best in the world for $1.00 if taken right away. JAS. M. DAVIS, Ligonier, Pa.

KAUYAHOORA FARM—Light Brahmas of finest quality, choice chicks now ready for delivery. Exhibition and breeding birds at hard-time prices. Write for wants. Can give you bargains for next thirty days. Three pairs White Game Bantams cheap. G. S. MOORE, Trenton Falls, N. Y.

L. H. MORSE, Newark, New York, originator and breeder of the famous Imperial strain of Light Brahmas. Immense in size, typical in shape, grand in color, and profuse middle-toe feathering. Exhibition and breeding birds for sale at all times. Eggs, $3.00 per 13. Satisfaction guaranteed or money refunded. Correspondence solicited.

LIGHT AND DARK BRAHMAS. W. Q. Minturn, Warwick, Orange Co., N. Y. At the great Orange County Fair—Pen Light Brahmas, second; pen chicks, first; hen, second; pullet, second; cockerel, second; pen Dark Brahma fowls, first; pen chicks, first; hen, third; in competition with our best breeders.

GAMES.

ADDRESS J. G. B. ERWIN, Erwin, Gordon Co., Ga., breeder of pure blood White and Cornish Indian Games, White Holland and Bronze Turkeys, S. L. Wyandottes, Brown Leghorns, Pekin Ducks and Berkshire Pigs, from registered stock.

GOOD ADVICE IS NEER OUT O'SEASON.

MY entire lot of C. I. Game cockerels must go regardless of price, as I must have room. A four to five months' old cockerel from $2.00 to $5.00—from a breeder to a show bird. Send price you want to pay and I will give you full value for your money. Send money by American or United States Express. I know I can please you. C. A. LINES, Charles City, Iowa.

FOR SALE.—Indian Game cockerels and pullets. Pure stock. Took first on cockerel at Washington Show last season. Will exhibit this year also. Will select you show birds at $3.00 for cockerels and $2.00 for pullets. E. M. MELLOR, Sykesville, Md.

CORNISH INDIAN GAMES that took money premiums on every entry made (5) at the Mt. Gretna (Pa.) Show. I have a fine lot of Games to sell, and can please you. Write for your wants. GEO. SCHRADE, Sykesville, Md.

SINGLE EXPRESS RATES—Games, Heathwoods, Irish, B. B. Reds, Tornadoes, Irish and Mexican Grays and Cornish Indians. Free illustrated circular. Starvation prices. C. D. SMITH, Fort Plain, N. Y.

WYANDOTS.

GOLDEN AND PARTRIDGE—The latest variety of Wyandottes. Place your order early and get in the swim. 200 chicks to select from this Fall. Old and young stock in Golden Wyandottes for sale at all times. Write for circulars and prices, stating wants. GUS. HALTEMAN, Tiffin, O.

S. L. WYANDOTTES—Thoroughbreds only. Fine health stock, having free range on 100 acres. Cockerels, $1.00, $2.00 and $3.00; pullets, $1.00 and $2.00. Eggs in season, $1.00 to $2.00 per sitting, according to matings. J. M. HAMBLIN, Highlawu Farm, Vienna, Fairfax Co., Va.

SILVER LACED WYANDOTTES EXCLUSIVELY. None better, few equal. Number of excellent breeding birds from $2.00 upward. A few extra fine exhibition birds; prices on application. Eggs in season, from best matings, $2.00 per 15. Satisfaction assured. THEO. E. F. HOLZHAUSER, Broad River Poultry Yard, Columbia, S. C.

WYANDOTTES (WHITE). Stamp this on your memory. None but Standard birds sold. Satisfaction will be given to all. Young stock for sale only. Let your wants be known. Score with every bird. Rocklawn strain, meritorious for its all-around quality. G. A. E. REYNOLDS, Rocklawn Farm, Marlboro, Mass.

FOR SALE—10 White Wyandotte Cockerels direct from John B. Felt's strain. Won 1st on cock, 1st and 2d on hens, 1st on cockerel, 1st on pullet, at Madison Square Garden, New York, February, 1896. Birds are large and fine. Buff Plymouth Rocks, English Red Caps, Black Minorcas, Buff Leghorns. The best of strains. Write your wants. C. E. VASS, Washington, N. J.

BARKER'S SILVER WYANDOTTES won four 1sts and one 2d at Syracuse, and four 1sts and three 2ds at Rochester, 1896. Good breeding cockerels and pullets at $1.00 to $3.00 each. Circular free. ROBT. J. BARKER, 280 Monroe Ave., Rochester, N. Y.

COCHINS.

JAMES M. BARKER, Nashville, Tenn. Buff Cochins, Partridge Cochins, Light Brahmas, Plymouth Rocks, Langshans, Silver Wyandottes, Brown Leghorns. Finest Southern Pit Games. New illustrated Catalogue. Low express rates.

FOR SALE—THEY MUST GO. 10 Buff and 10 White Cochin cocks, one and two years old. Price $3.00 to $5.00 each. 50 White and Buff hens, $2.00 to $3.00 each. The most of these birds are good enough to show. I will sell the second prize Buff cock winning at Washington Show, price $10.00, and two just as good, price $10.00 each. 20 extra show hens, $5.00 each. 300 Buff and White chickens, $2.00 to $3.00 each. R. P. THOMPSON, Patterson, N. Y.

PARTRIDGE COCHINS. If you want some hens now, good breeders, from Blue Ribbon stock, or some very promising young stock later in the season at reasonable prices, address REV. HENRY CULLEN, Cedarville, Ill.

H. A. LOGUE, Hagerstown, Md.—Buff Cochins exclusively. Winners at Mt. Gretna, Pa., Carlisle, Pa., and Hagerstown, Md., 1895 and 1896. At Hagerstown, 1896, with 3 entries, won 1st on pullet, 2d on cock and 2d on pen. Eggs, $2 for 13.

FRANK E. SILLOWAY, Newburyport, Mass. Breeder of choice Partridge Cochins and Light Brahmas. 50 cockerels for sale from my prize winners at Malden and Amesbury; judges, N. A. Knapp and I. K. Felch.

MINORCAS.

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Wants It Continued

Editor The Feather:

I received your letter yesterday and will now answer it by saying I want my little six line "advt." to appear in its usual place. I cannot tell you how pleased I am with the results, and it speaks high for your paper, as I have had more answers and orders from it than all my other "ads." put together. Answers and orders have come in from Alabama, Georgia, Tennessee, South Carolina, New York, Pennsylvania and Virginia, and THE FEATHER flutters down in all these places. Let the "ad." stand as it is. Long live THE FEATHER.

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C. FRANCIS SMITH,
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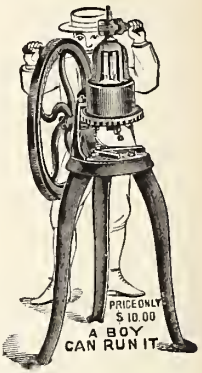


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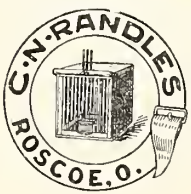
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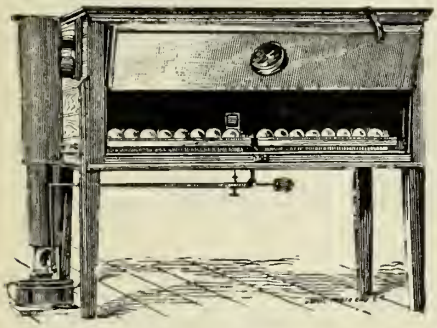
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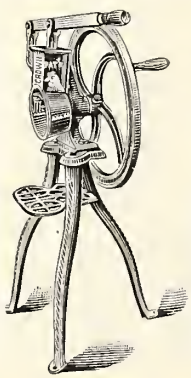
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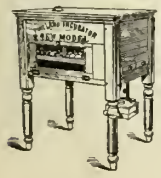
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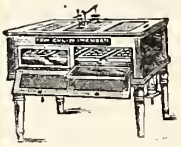
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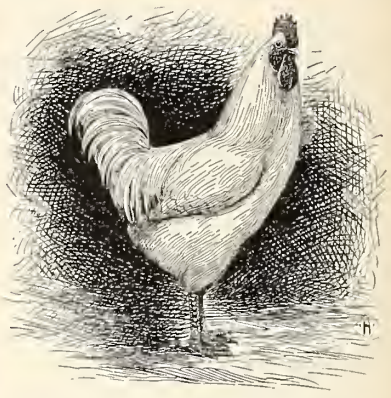
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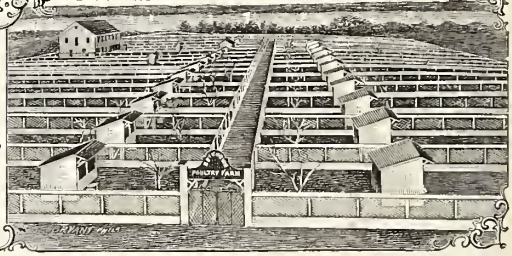
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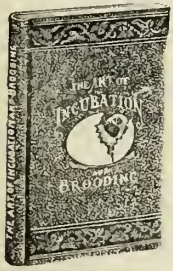
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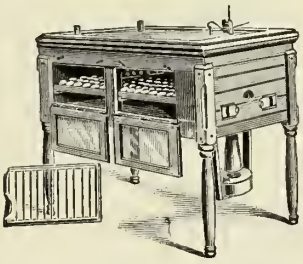


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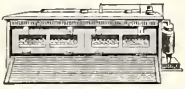
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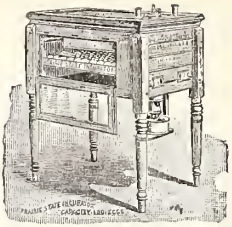
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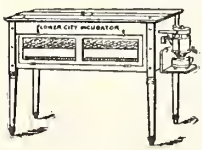


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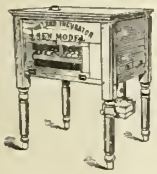
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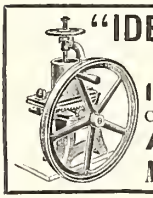
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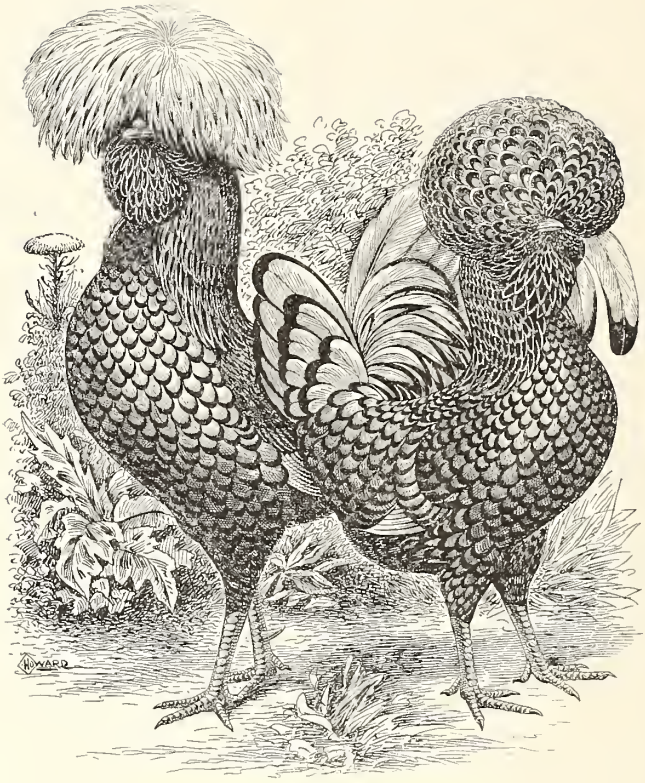
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PAIR BEARDED SILVER POLISH.

THE FEATHER
A NATIONAL JOURNAL DEVOTED TO POULTRY·PIGEONS ·BIRDS· ETC.

VOL. II. NO. 3. WASHINGTON, D. C., DECEMBER, 1896. FIVE CENTS.

BEARDED SILVER POLISH.

An Exceedingly Handsome Fowl from a Fancier's Standpoint.

BY H. A. MUNSON.

IT is generally conceded that the title Polish as applied to fowls has no connection whatever with Poland, as these birds are not known there more than in other localities, in fact, are said to be natives of Holland; but that the name as applied had reference to the peculiar crest or poll common to all varieties of this class.

The varieties of Polish fowls are all exceedingly handsome, the most conspicuous characteristic being, of course, the crest, although there are other remarkable differences by which they may at once be distinguished from other fowls, as the elevated roof of the nostrils,and in the bearded varieties the peculiar thickness of the neck.

The feathers of the top-knot or crest have been by some supposed to grow from a fibrous structure beneath the skin or a cushion formed of fat, but it is proved by dissection that the globular appearance is the result of the peculiar formation of the skull bone itself; and the more pronounced this bony protuberance the finer the specimen is considered to be.

The varieties of Polish are rather numerous and are Buff-Laced, Golden, Silver and White in both plain and bearded, and White Crested Black. Lewis Wright in his Book of Poultry describes the Silver Bearded Polish, as illustrated by our frontispiece, as follows: "The Silver Bearded Polish cock is in size somewhat larger than a Silver Spangled Hamburg, but very similar in shape. The neck should be very curved and well thrown back, somewhat like a Fantailed pigeon's; the tail also being carried very erect, but by no means squirrel-fashion or over the back. The crest, which is the chief fancy point in all Polish fowls, is composed of long, thin feathers (the longer the better) and should be as full as possible. Its shape is a very great point; it should rise well up in the front and fall down towards the sides and back, with no division in the middle, but all regular. The crests of many birds fall over the front of the face, which is a great drawback, as these birds when drinking get their crests in the water and look most wretched. The larger the crest is the better, provided it is of a good shape, but shape is most important. The color of the cock's crest should be black at the bottom of the feathers, white in the middle and tipped with black at the end; but as they get older the crest becomes whiter, till it is nearly all white.

"The beard should be full and ample and very dark; the neck-hackle also very full and every feather from the head downward tipped with black; but the hackle also generally gets lighter after the first molt. The breast should be well and evenly spangled with half-mooned or crescentic spangles; the back, wing-bow and saddle-hackle well spotted with black; the wing-coverts heavily laced, so as to form two laced bars across the wing, and the secondary quill-feathers also well laced. The tail-feathers may be either white or gray, with a good moon at the ends of the sickle and side-feathers, these side-feathers being also well laced with black. I say the tail gray (besides the black marking upon it), finding from all my experience that these darker-tailed birds always breed better marked chickens, the white-tailed often producing birds too light in the lacing. I believe that on this account our best judges like the dark-tailed birds the best. The legs should be slaty-blue. The beak is horn-color. The color of ear-lobes is of no consequence, as they cannot be seen, but they are generally white.

The crest of the hen should be full and

globular; the larger, of course, the better, provided it is of good shape. It should be round as a ball, with no split or parting whatever in the middle. The color of the crest when the pullet has got her first year's feathers is usually black at the base and up the middle of the feathers, edged with white, the width of the edging varying; but after the first year this rule is precisely reversed, the bottom and center of the feathers becoming white, with a black edge or lacing—that is, such feathers as are black—but after the first year many feathers become wholly white, and the crest, as a rule, becomes lighter as the bird gets older. The beard should be full and ample, well mottled with black and white; the neck-hackle white, well striped, or rather laced, with black; back, wings and other parts, every feather a sort of half-moon spangle at end, well laced up the sides (*i. e.*, a lacing all around, but much thicker at tip of feather) and bars heavily and regularly laced, as in the cock. The tail is white, well marked at the end and laced up the sides. The breast runs more toward a heavy crescentic spanging.

"The laced marking thus described is now the recognized style of marking. We used to have a really spangled breed, or rather it would be more correct to call it semi-spangled, but these birds now find no favor, the laced marking being considered the only correct thing. It certainly is far superior in beauty."

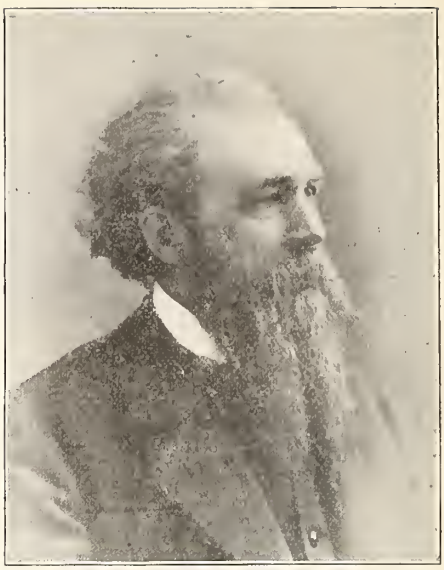
A Venerable Fancier.

One of the most frequently-mentioned fanciers in this vicinity is the venerable president of the National Poultry and Pigeon Association, Mr. H. A. Munson. No one, perhaps, has done more to advance the interests of poultry in this section than he and the successes of the association are attributed in a large measure to his wise administration and executive abilities. His courteous treatment of exhibitors and visitors at the last show won him many new friends and assures all a hearty welcome to the coming event.

He was born in St. Lawrence County, N. Y., just sixty-five years ago. Under the influences of home life he developed fancies for poultry, and for over twenty-five years he has bred without interruption several varieties of the feathered tribe. He has bred the Light and Dark Brahmas and Buff Cochins.

He added to his list of specialties the White Crested Black and Golden Bearded Polish, Game Bantams, White Leghorns and Black Spanish.

His specialty is the Polish—the White Crested Black. In his yards are to be seen some of the best specimens of this country; and from their past records in the show room it is probable that they will add new laurels to their crown during the coming season.



H. A. MUNSON.

Mr. Munson is an enthusiast and the fraternity here and elsewhere is to be congratulated in having him at the helm for the coming show.

The last fifteen years of his life have been spent in government em p has been in the appointment division, Secretary's office, of the Treasury Department during this entire time.

It is understood that he will increase his stock of fowls during the Winter and raise thoroughbreds in large numbers next Spring. He has our best wishes for success in all his undertakings and we feel sure that his labors will be rewarded.

Three Good Birds.

The Thanksgiving turkeys for the White House have for several years been furnished by Horace Vose, of Westerly, R. I. This year he sent three magnificent birds to three distinguished people; one to President Cleveland, one to President-elect McKinley and the third to William J. Bryan.

On New Year's Day.

The American Poultry Association will hold its annual meeting in New York City, January 1, 1897.

D. LINCOLN ORR, Sec'y.
G. O. BROWN, Pres.

THE LANGSHAN SERIES.

A Complete and Authentic Treatise of These Most Popular and Profitable Fowls.

Langshans in the South.

BY H. B. SAVAGE.

[*Concluded from last month.*]

But among all their charms there are, of course, some drawbacks, but they "are few and far between." One of the greatest among them is to keep the comb and wattles the correct shape and size, but this trouble is not with the Langshan alone; all breeds suffer more or less in this climate, which seems to produce a too rapid growth of this headwear, so much so that we frequently see the comb of both males and females "lopped" over, when it should be erect. To any one, amateur or otherwise, who is in search of a breed that will give them satisfaction and find sales for themselves, they need go no further than this breed. It is a winner.

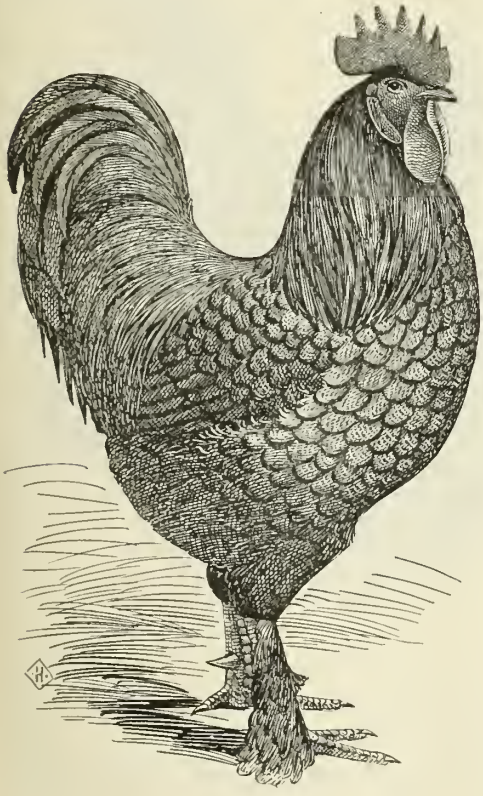
Good specimens are always in demand and find ready sales at exceedingly good prices, as high as $60 to $75 a trio having been paid for specimens raised in this "far South." The breeders of them here have kept their lights hidden too long by not showing their stock more outside of this section, and the writer hopes to see some of them redeem themselves by showing their birds at Washington and New York the coming season. Specimens going from 94 to 95 and even 96½ are not uncommon, and we have in Texas alone several breeders who have made them a specialty and particular study for several years. The Langshan is in the "far South" to stay. The new breeds may come and go, but the lordly Langshan will "hang on forever."

* * *

The Langshan in the Rockies.

BY CHAS. A. WATSON.

In responding to the request for "The Langshan in the Rockies," permit me to say my modesty does not reach far enough to hold me down. Personally, I would not prefer much notoriety, but when the green-black beauties, so justly called "The Lordly," are in question, then modesty must stand aside for the stern decree of justice.



MALTESE LANGSHAN COCK.

In this land of gentle sunshine, where the pine boughs softly rustle in the ever murmuring breeze, where a thousand rills trickle from the never failing snows; in this land where Nature has clad miles lengthened into miles beyond with grasses most nutritious; in this land where creation's treasure house lies hidden among the hills; in this land where a "new born hope" springs with morning light to gladden the health-stricken human; in this land of peace and comfort, also flourishes the Langshan.

And when I say the Langshan flourishes in Colorado, it calls to mind the assertion of those who ought to know that the place of their nativity, the Langshan district of China, is almost reproduced in the Central Rocky Mountain country of the United States. That the varied up-breeding and improvements of the original stock in a great measure changes fowls cannot be disputed, yet Nature will assert herself; and the same scientific up-building applied under natural conditions would produce results of yet greater general benefit. Such conditions, I claim, exist for the Langshan in this niche of the universe.

First and fundamental, here as elsewhere, must be considered the parent stock. Fowls which have deteriorated from interbreeding, admixture of foreign

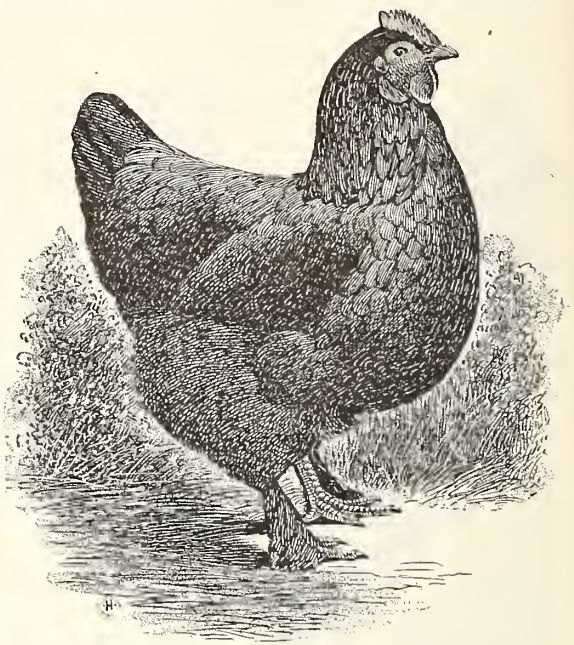
blood, neglect or otherwise, cannot in this country reach the typical form through inhaling ozone in its purity. (Some of us Rocky Mountain fellows know this from bitter experience, and some of the "other fellows" were glad to take our great big silver dollars for that stock, too.)

After the breeding stock has been secured the man in Colorado who thinks he has completed half his task will sough a No. 3 sigh and with both sleeves turned up, tackle the problem of hatching the second year. This, of course, does not pertain to those who have had experience. On this rock of hatching many breeders have struck hard and foundered, and I can only explain by going into details.

Western poultry exhibits, as a rule, run from November to January 15th. It is a common practice (erroneous) to have fowls over-fat at these shows in order to show size and weight. When placed in the breeding pen the latter part of January these fowls cannot be reduced to proper condition to transmit healthy qualities under four to six weeks, thus losing time valuable to the breeder of Asiatics. This rule may not apply to Eastern and Middle sections, but in this climate and altitude it is incontrovertible. Under such circumstances, is it any wonder that early hatched chickens are unsatisfactory in many cases? or that often there is no hatch at all?

Again, the Spring months is the wet time in Colorado—light, wet snows and rain. Many prefer not to bother with little chicks until later, hatching in June and July. It is true a larger percentage of chicks will hatch at this season; but the fancier who builds his hopes on the late "peepers" has my unqualified sympathy. In the Fall he will have some nice looking youngsters; around his heart will twine the unction that at show time he will have birds in all the glory of their first full feather. Alas, for that pleasure of hope! The clear sunlight of Summer and peculiar dryness of the climate have sapped the color pods from those feathers in their infancy, and the lustrous green velvet is not. Nor will the fowls ever reach hat size and dignity which is their due.

On the other hand, Langshans hatched in February and early March will have passed the stage of most perfect plumage by January 1st. With us Langshan pullets will commence laying at an average age of seven and one-half months, and their full dress is always best just before the first egg is deposited—the male birds standing in unrivaled attire at from eight to ten months of age. And this statement brings us to the question, when is the proper time to hatch Langshans in this section? Unhesitatingly I answer, from March 15th to April 20th. The weather at this season is an objection to some, but I much doubt if a fancier who lets the weather control his labor among his flock would succeed at any time or under any conditions. By hatching at this season the chicks are all under headway for a steady growth, both of body and feather. When the hot weather comes on the weakly ones have passed like a gentle breath in the night, and are no more forever a care and disappointment, neither do they eat the golden grain; and when the ides of November come again, Lo, the promise is fulfilled and the egg basket is full.



BLACK LANGSHAN HEN, "BLACK BEAUTY,"
Owned by Savage Bros.

Speaking of eggs calls for a new point to my pencil. That the Langshan stands majestic and alone for feathered beauty no artist eye or heart will gainsay. A

specimen of proper type challenges and receives the admiration of all. As for table qualities, well, none who have ever been palate-tickled by the flesh of a Langshan will say no at the second call.

That strongest and most stubborn of all incentives, prejudice, both for "yellow-legs" and against "black chickens," backed by an almost united poultry press and nearly universal booms for other breeds, stood like terror in the path of progress and bade defiance to the Langshan. Now, the Langshan is not a pit bird, but he never learned the meaning of the word "run." Knowing their personal attractions, well aware of how easily they could capture epicures at dinner time, they have yet stronger credentials to force their favorable reception and that is their capacity and willingness to lay eggs; not the largest eggs laid by any breed of hens, not the big white eggs like smooth alabaster, but eggs of good size, richest in flavor, and more of them than could be produced by the same number of hens of any other breed during the year in any spot on earth. No wonder those black beauties carry their tails well out, heads up and fear naught.

As Winter layers their pre-eminence has passed the bounds of dispute; nor does the assertion hold good that "they lay but little in hot weather." Looking at my egg record to-day (July 26th) I find during the past seven days an average of ten eggs per day from twenty-three Langshan hens which passed the season in breeding yards.

As a breeder, I discountenance late hatches. Nothing but dissatisfaction can result from them, and I disband my matings during June. I admit there is some financial loss in this from the sale of eggs, but I prefer to maintain the standard for future years rather than accept the small gains of the present.

Standing straight on his legs, good length of shank, feathered well to end of toe, thigh of medium length, wings well in, breast plump and full with fluff to match, back broad and rather short, tail well up and hidden almost from view by the green pendants, hackle full and flowing nearly to the base of tail, eyes dark, comb and wattles of medium size and even. Add to this the matchless green that shimmers through the *tout ensemble*, together with a carriage proud in its virgin purity, and you have the typical Rocky Mountain Langshan.

The lack of natural shade is the greatest drawback to breeders of Langshans in Colorado, as the clear sunshine plays havoc with color. To avoid this, artificial shade of any and all kinds is resorted to, wild cucumber vines giving probably the best satisfaction.

That the Langshan is peculiarly adapted to this altitude and climate they have abundantly proven. With a little care and labor such diseases as cholera, roup, gapes, are unknown, and from such ailments as do exist here Langshans are peculiarly exempt, as a class being hardy and thrifty from the shell. As an evidence of their sterling merits and true breeding qualities, I may say that at the Denver (1896) show, in January last, under the veteran I. K. Felch, a class of 152 Langshans scored from 90 to 96. An average of 93 on 150 fowls speaks for itself.

Colorado Langshan breeders are not pushing the matter of leg and toe feathers to any great extent, believing other qualities of more importance, and being satisfied with standard requirements in that line. Neither are they sacrificing any good qualities to increase the size of their fowls, though we have no difficulty about the weight clause in the show-room. "They jist nachully grow big out here."

* * *

Maltese Langshans.

BY S. H. BABCOCK.

Some years ago, at the New York Show, appeared a new variety of the Langshan fowl. It had the figure and general characteristics of the well-known Black Langshan, but differed from it in color. The upper parts were of a dark velvety, slaty-blue, darker in the male than in the female; the under parts of a softer and lighter shade of blue. Each feather was margined with a dark blue or black line and the whole effect was very pleasing. To this variety was given the name of Maltese Langshan.

It originated in a cross between the Black and the White Langshan, no other blood having been used in its production. It was, therefore, pure Langshan, unless some one doubts the purity of the White variety. There doubtless were made White Langshans as well as those which appeared as sports from the Black, but as Messrs. Kirby and Smith, the originators of the Maltese, were very careful and solicitous of the purity of their stock, we have no doubt that the White Langshans used were pure in blood.

Produced as it was in this way, the economic qualities of the new variety should be practically identical with those of other Langshan fowls. These qualities are hardiness, prolificacy and good table qualities. As a cross has a tendency to invigorate a stock of fowls and to increase its size, the Maltese Langshan ought to equal at least the Black Langshan in its best state. If it does this, it goes without saying that it will be a useful and profitable fowl.

The new variety has not succeeded in winning a wide-spread popularity. It



BLACK LANGSHAN HEN, "EXTREME."
Owned by Dr. S. T. Lea.

has gained some adherents in England and it appears occasionally in the exhibitions held in this country. Whether the popularity so far attained is a growing one or not we are not in a position to say. But we do say that blue fowls are somewhat rare and are sufficiently attractive to deserve more popularity than they have attained.

We suspect that there is a reason for this state of things apart from the attractiveness of the coloring. The Andalusian, which has exactly the same coloring as the Maltese Langshan, and was unquestionably produced in the same way by crossing a black and a white fowl, is known to be an exceedingly difficult fowl to breed. In the progeny there are constant reversions to both the black and the white ancestors, and even the blue chickens vary widely in shade.

The result is that, unless one is a real fancier—and by that we mean one willing to raise a hundred chickens to get ten good ones—or is only a practical raiser who cares nothing whatever for uniformity in his flocks, he is apt to weary of the difficulty in breeding blue birds and gets discouraged and disgusted with the attempt. We do not know that this is the case with the Maltese Langshan, but we suspect that if this is the case with the Andalusian it is likely to be true of any other blue variety. And yet, if one admires a Langshan, even the cases of reversion will be beautiful, for the white birds will be typical White Langshans and the black ones typical Black Langshans. And what more can one wish than to be able to breed these varieties from one pen?

Let no one suppose that the writer wishes to injure the prospects of this beautiful variety. This is far from his purpose. What he wishes to do is to encourage its breeding by fanciers of the Langshan, so that the colors of this breed may be more varied. The Langshan fowl is good enough to deserve more than two colors. But he would not mislead a novice into the idea that breeding a blue fowl is an easy matter. If he glossed over this important matter he would injure the breed and breeders much more than by telling the simple truth. He has known breeders of Andalusians accused of fraud simply because the chickens hatched from eggs sold by them did not come true to color, and in one instance he came to the aid of a breeder thus accused who was being loudly dealt with by an honest but unfortunately not fully informed editor. When the facts were made known the editor with true manliness gave them wide publicity.

The Maltese Langshan illustrates a tendency among breeders of the present day to produce new varieties of fowls. As soon as a breed becomes popular it has a tendency to blossom into various varieties. The Barred Plymouth Rock has its four varieties; the Wyandot has its five; the Java, three, and the Langshan could not well be kept from such multiplication. We have spoken of this as a present day tendency, and it is, but it is a renewal of an earlier tendency, for in the Polish fowl there are eight varieties, in the Hamburg six, in the Leghorn nine or ten and more to be heard from, in the Cochins four, and so on through the different breeds. The aphorism, "There is nothing new under the sun," is thus exemplified once more.

This multiplication of the varieties of a breed is good evidence of its intrinsic worth. It is not profitable to increase the varieties of a poor breed; no one would consider such an undertaking desirable. But when the merits are great and the breed is well established and popular, every "sporting" tendency is carefully treasured, and when such tendencies do not exist direct crossing is resorted to in order to secure the desired results. This is done sometimes with a different breed; at other times, as was the case with the Maltese Langshan, with two varieties of the same breed.

To sum up, the Maltese Langshan is unquestionably a thoroughly useful and profitable fowl if kept for practical purposes; it is a beautiful fowl, but probably somewhat difficult to breed when kept for fancy purposes; it has the size, shape and qualities of the original va-

rieties with a color of its own; and, despite the difficulties of breeding it true to feather, it deserves the favor of the fancier because of its beauty and the rarity of blue varieties and that of the practical poultryman because of its economic qualities.

* * *

The American Langshan Club.

BY WM. H. RHEES.

The raisers of Langshans of this country, like those of all the more popular breeds of fowls, have banded themselves together for the purpose of protecting and extending the cultivation of their favorites.

The membership at present comprises about one hundred and twenty-five breeders, located in all sections of the country, and including in its ranks many of the most prominent fanciers. The officers this year are the same as last, on account of no quorum being present on date of annual meeting held during the International Poultry Show at Washington, D. C. The President, Mr. Wm. M. Hughes, of Rhode Island, has been identified with the Langshan for many years and was one of the first to import them from China. At present he is devoting all his time and ideal farm to the production of thousands of "black beauties." Franklane L. Sewell, the Vice-President, is an old breeder and has a world-wide reputation as a "poultry artist." This club has accepted his cuts as "ideals," placing them in the annual catalogue. Mr. Albert Lemen, of Lincoln, Neb., is the present Secretary-Treasurer, and has issued a very creditable club catalogue, which will be cheerfully sent to all Langshan lovers.

Let every one interested in the "lordly Langshan" become an active member of this club and help to promote in every way possible the interest in this breed of fowls which has so many honest claims for popularity. Life membership fee is $5.00, and no other dues thereafter. This gives one the privilege of competing for club prizes and other benefits. So let us push the good work along; join, attend meetings, and remember everybody must do their share to make such a club an influence and a success.

White Minorcas.

The ubject is not entirely new, but a good thing will bear repetition, and the White Minorca is a good thing. The true characteristics of this breed of fowls should be well understood to fully appreciate the merits of these valuable birds now almost neglected by the breeders of poultry.

The White Minorcas are not yet perfect. Much careful breeding is needed to bring them up to the standard. The hardest point to attain is weight, and I venture to assert not one in fifty of the fowls raised even by careful breeders ever reach standard weight. They are capable of good size however; large enough to please any reasonable breeder and are likewise graceful and handsome. In temperament they are somewhat less flighty and nervous than the Leghorn, which they closely resemble, except in size and color of legs. They are active and energetic when given free range, yet they bear confinement as well as some of the heavier breeds. They are good layers of large white eggs, and, as they are non-sitters, to the poultry keeper who only keeps a few fowls to supply his family with fresh eggs and does not care about raising chicks, the White Minorca will be particularly adapted to meet his wants, and with proper care and attention he will have a bountiful supply of eggs nearly all the year round. MRS. JAMES OSBORNE.

The Egg Business in Europe.

A recent Board of Trade return serves to show how keen is the competition in the egg business. Russia has 57,000 hens laying against the rest of Europe. They average a yearly output of 4,000,000,000 eggs, and beat the French and German layers by about 500,000,000. For every egg a French hen lays a German hen naturally lays another; but, though these rivals, one may take it for granted, lay for all they are respectively worth, they are nearly so equal in productiveness that it is not the odds of an egg upon either. Space in our own little islands is limited, and we have only room for 30,000,000 hens; still hen for hen and egg for egg, we beat the best, though our best is not good enough for us, and we have to import 1,500,000,000. In the fight for the honor of supplying us Germany beats France by 50,000,000 and France beats Russia by 90,000,000. Perhaps this latter victory is just as well. Some Russian eggs are laid a couple of thousand miles from the frontier. By the time those eggs got on a London breakfast table they would have ceased to be new-laid eggs. Accordingly, they are exported, without their shells, as a "preparation" in iron receptacles, and their uses are the ghastly uses of cheap confectioners.—*Pall Mall Gazette.*

Light and Eggs.

Light influences the laying on the part of the hens. Put a flock in a dimly lighted poultry-house, and no matter how comfortable it may be, fowls will cluster together in some corner outside and brave all the storms that may come in preference to remaining in a dark and cheerless abode. Chicks also prefer light, and will remain outside of the brooder and become chilled rather than go under the cover where it is warm but dark.

THE LONG VIEW YARDS.

An Ideal Plant on the Suburbs of the National Capital.

BY THE EDITOR.

IT was a beautiful November day. The sun was delightfully bright and warm; hardly a cloud was to be seen in the sky to mar the splendid blueness of the heavens, which reminds one so much of the awakening of Spring. At times it seemed as if the Winter which is at hand had passed as in a dream, and Spring with all its delights was with us once more.

It was just such a day we drove to the magnificent home of Mr. John L. Waggaman, the proprietor of the Long View Poultry Yards. These yards are located on the suburbs of the National Capital, about a mile from Hyattsville, Md. The farm is admirably situated, has a commanding position, and is a model home for a fancier and his birds. From any point on the farm you can see for miles over the surrounding country, hence its name, "Long View."

Mr. Waggaman is one of the enterprising business men of Washington, who takes extreme pleasure in rural life. He has established a home where nature holds full sway, and the blessings of life are enjoyed as nowhere else. He is fond of everything that is kindred to a farm, but his greatest liking, and the one we think the most of also, is poultry. Truly it may be said that the satisfactory results which have followed his undertaking have been achieved through his own personal supervision and fondness for his feathered pets. He has spared nothing in making his home the foremost of our suburban ones and we feel that our description will hardly convey the beauties of the places as one sees them on a visit.

His farm has forty acres, with twenty acres under cultivation. The other half is in woods, large driveways and parkings, which beautify the premises. Here and there trimmed cedars, overhanging vines, and rustic tubs with choice flowers dot the landscape with artistic effect. There are two large residences, one for himself and the other for the manager of the estate, Mr. G. J. Harley. The barn is a model of completeness and has all the conveniences of a modernly-equipped stable of the city. It is three stories high. The lower floor is for the farm horses, the second for carriage horses and conveyances, and the third floor is the granary and hay loft. Several outhouses are in convenient places and used as a carpenter-house, storehouses, oil-houses, etc.

The part of the farm which is of most interest to our readers is the poultry plant. Poultry is the chief idea of Mr. Waggaman, and his achievements in this line are more than gratifying to the number of local fanciers who were desirous of his success. The plan of the poultry plant, as shown in his advertisement on second page of cover, is carefully drawn, and shows the general arrangement of the buildings and their convenience to each other.

The house shown on plan as brooder-house No. 1, is the warm brooder-house where the youngsters spend the earlier days of their existence. This house is 110 feet long and twenty feet wide. It is divided into twenty-two pens and has a passage running the entire length of the building. The illustration is a faithful reproduction of the interior arrangement of house and gives an excellent idea of the pens and arrangement of brooders. The Prairie State system of brooding is used exclusively. Sectional brooders are used, one-half of then being indoor and the other half outdoor brooders. The house is heated by the same system of heating, the pipes running the entire length of building. The house is well lighted by windows in each front. The manager's office is in one end of this building. The incubator cellar is built under this house. It makes a model place for this purpose, being dry and lighted by small windows on



PERSPECTIVE VIEW OF LAYING-HOUSE AND COLD BROODER-HOUSE NO. 3.



INTERIOR VIEW OF BROODER-HOUSE NO. 1.

either side. The capacity of ncubators is 2,400 eggs. The Prairie State and Invincible incubators are used, each being 200-egg size. Each machine is numbered and a careful record is kept of the work from one hatch to another, printed blanks being used to tell the number of eggs in each machine, number of fertile eggs, number of chicks hatched, etc. By this method a record of every egg is known and the percentage of chicks hatched is easily told at a glance.

On the plan will be noticed the feed-house, located near brooder-house No. 2. This house is one of the most complete attachments of any poultry farm we have yet visited. It is the lever that moves the whole place and gives it an air of activity and prosperity. While it may be generally known as the feed-house, it should be more properly styled the engine-house, for it is here that the four-horse power Chapman engine keeps up an incessant grinding, crushing and pumping during the day and sometimes into the night. The engine is run by oil; it operates a large Mann's bone mill and the Wilson Bros.' grinding and crushing mills. Besides these mills, the engine also runs the shafting connected with the artesian well. This well is 245 feet deep and supplies the entire premises with more water than is needed. All buildings have running water where needed. A section of the engine-house is used as a feed-house, and is supplied regularly from the barn, where large quantities of grain are always kept in stock.

Close to the engine-house is brooder-house No. 2. This is a cold brooder-house where the chicks are grown to broiler size after being taken from the warm brooders. The model of this house is very complete and every facility is had for growing the birds to the best advantage. Brooder-house No. 3 is a companion house to No. 2. The details of both houses are alike and the same system is used of labelling the pens for number of chicks raised, etc., as in other buildings.

The most interesting building on the farm is, perhaps, the large double laying-house. This house is a marvel of completeness and splendid results have been obtained. The house is 150 feet long and twenty-three feet wide, with a three-foot passage running the entire length of building. It is divided into thirty pens, fifteen on either side of passageway, accommodating 400 laying fowls. The illustration showing interior of this building gives arrangement of pens, roosts, nests, etc., in detail. The building faces the south, and each pen has a window on the south front. The upper row of windows furnishes ample



INTERIOR VIEW OF DOUBLE LAYING-HOUSE.

sunlight for the pens on the north side; in fact, the pens on the north side have more sunlight than those on the south side. By having a building of this kind a considerable saving is made in the cost; besides, there is much less labor in caring for the birds than if they were in a house double its size in length. The runs for the fowls are one hundred feet in length, on each side of the building. Small trees are planted in each run to provide shade. It will not be our purpose to enter into the details of feeding the fowls in this article. This important part of the farm's business is entrusted to the keeping of Mr. Harley, but we hope to say something about it in a subsequent number.

The Long View yards have three objects in view, and everything is working to the end that these objects may be fulfilled. The first idea is to supply a large number of broilers for the market. This branch of the business is one that stands a splendid show to succeed. There is a constant demand in the Washington markets for broilers, but the supply has hardly ever equalled the demand. Choice broilers bring excellent prices during the entire season.

The second purpose of the yards is to supply strictly fresh eggs for the table. Fresh eggs are something to be desired at all times and a liberal patronage of this feature is sure to follow. Strictly fresh and guaranteed eggs bring several cents more a dozen than market eggs. There is lots of room for the fresh-egg trade at the National Capital, and lovers of pure, fresh eggs will welcome the effort and give a liberal support to the enterprise.

A portion of the plant is devoted to raising incubator eggs. The demand for these is also in excess of the supply. Fertile eggs in Winter, when eggs are wanted for incubators, are not easily found. It requires plenty of bone, meat, green foods, pure grain and comfortable houses to make biddies lay when Mother Earth is frozen and vegetation is dormant. The facilities of the Long View Yards are all that could be desired to promote fertile egg production. Operators of incubators, who are lacking in egg supply, will be enabled to stock their plant and conduct business in a profitable manner.

Several varieties of fine poultry are kept, but the specialties are the Barred Plymouth Rocks and Single Comb White Leghorns. The Barred Rocks are gems; it does one good to see so many excellent specimens in one spot. Mr. Waggaman has purchased the entire flock of Barred Rocks (about 400 birds) from Mr. Stockbridge, who was compelled to retire on account of continued illness. In this

lot of birds were many prize winners that have been in the leading show rooms of the country.

The second favorite is the dainty little White Leghorn. These birds are general favorites and claim the right to lead in the matter of egg production. They are here in all their resplendent beauty and profitableness, and are termed the egg machines of the farm. They will be pure and in crosses. While the Barred Rocks and White Leghorns are spoken of as specialties, yet there are other varieties that might be so classed were their numbers larger. There is one pen of Brown Leghorns that contains excellent specimens. These are show birds and are bred in their purity. There are other pens equally as good of Cornish Indian Games and Light Brahmas.

The Daily Ration.

The oft-repeated enigma, "how much to feed," has met with a practical and straightforward solution by Editor Jacobs in the following: Weigh the food for a certain number of fowls and let them eat until the last one walks away fully satisfied. Then weigh the portion left over. The difference will be the amount eaten. It must be remembered, however, that flocks do not eat the same quantity every day, but the weighing of the food will give you a practical knowledge of about how much a flock will eat at a meal. Having determined the quantity, make it a rule to feed one-third of a meal (or not over one-half) in the morning, so as to make the hens work and scratch. At night give them a full meal. Never allow any of the food to remain over, but clean out the troughs. Also, never give the fowls anything to eat at noon.

We suggest a pound of lean meat in the morning for sixteen hens (or twenty small ones). The next morning give cut bone. Then go back to lean meat. A little green food may be given at noon if fowls are confined. At night give grain and always provide a variety, allowing all that they can eat up clean.

Fattening Turkeys.

Turkeys fatten much better if put in large, well ventilated sheds rather than coops. The house should be bedded down with straw and kept fairly warm. They should have some perches from two to three feet high. Many of them perch part of the day and plume themselves. They are very fond of a dust bath to roll in. A large feeding trough should be provided, about seven inches wide and of length according to the number of turkeys fattening. It may be made of wood or galvanized iron, and should be small at the bottom and large at the top. It should be placed about six or nine inches high, and then there is no waste, as they cannot throw the food out so well.

The best meals for fattening are ground oats and barley-meal, with small potatoes boiled and mixed with it. The last fortnight they should have a little fat also mixed with it. They can have boiled corn—wheat or buckwheat—given for the evening meal three or four times a week for a change.

How to Dress Poultry.

The matter of dressing poultry for market is a most important one, and should be thoroughly understood by poultrymen that the best prices may be obtained. Poultry should be kept without food for twenty-four hours before being killed. Full crops injure the appearance, and are liable to sour, and when this does occur, lower prices must be expected than choice stock will bring. To dress chickens, kill by bleeding in the mouth or opening the veins of the neck. Hang up by the feet until properly bled; leave head and feet on, and do not remove intestines or crop. For scalding chickens the water should be as near the boiling point as possible without boiling. Pick the legs before scalding. Hold by the head and legs and immerse and lift up and down three times. Scalded chickens sell best to home trade and dry picked best to shippers, so that either manner of dressing will be proper.

A Quartet of Winners.

The poultry exhibit at the State Fair, held at Columbia, S. C., November 9-13, was large and of unusual excellence. Mr. J. H. Drevenstedt, of New York, judged the poultry.

Mr. W. C. Earnhardt, Greenville, S. C., won on Buff Leghorns, Pekin Bantams and Indian Games, and in pigeons on Homers, Fantails, Owls, Swallows, Trumpeters, Tumblers, Turbits and Morecaps.

E. C. Connor, Cokesbury, S. C., won on Black Langshans, Indian Games and White Leghorns.

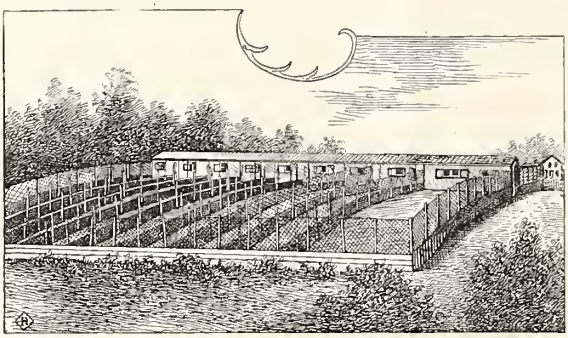
Theodore E. F. Holzhauser, Columbia, S. C., won on Silver Wyandots and Dr. F. D. Kendall, Columbia, S. C., on Blue Langshans. Pekin and Golden Sebright Bantams, Golden Penciled Hamburgs, White Crested Black Polish; Bronze, Slate, Black, Wild and Narragansett Turkeys; Aylesbury, Muscovy, Rouen, White Crested and Wild Ducks; Brown and White Chinese, Embden, Egyptian, African and Toulouse Geese; Pearl Guinea fowls, Runt pigeons and first on best display of poultry.

When writing our advertisers always mention THE FEATHER.

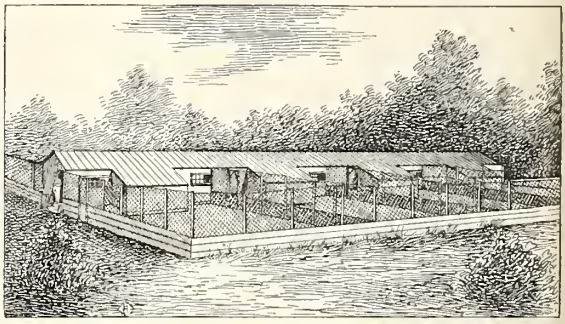
A Modern Poultry House.

A well-planned house for keeping poultry is to be desired at all times, whether poultry is kept on a small or large scale. The convenience of the plant will greatly reduce labor and save many dollars to the credit side by reducing the running expenses. Labor is a large item in raising poultry, and everything calculated to save labor must necessarily be considered by the practical business poultryman. Interior arrangements should be planned to afford easy access for feeding, watering and cleaning.

Houses intended for breeding, where the fertility of the egg is desired, must be divided into pens and the breeding stock kept in colonies, according to the reproductive quality of the birds kept. That is, if the Mediterraneans are kept, a larger number of females may be used with a male than with the Asiatics. This fact should not be overlooked. Fifteen Light Brahma females with one male would hardly give the number of fertile eggs as would the same number of Leghorn females mated to a single male. The larger the variety the less the number of females to a male. A good basis is to average eight Asiatics (Brahmas, Cochins), twelve Americans (Plymouth Rocks, Wyandots), and fifteen Mediterranean (Leghorns, Minorcas) females to one male. This proportion should give a good average of fertile eggs in a pen twelve or fifteen feet square.



FRONT VIEW OF MODERN HOUSE.



REAR VIEW OF MODERN HOUSE.

The house shown in illustration is a splendid arrangement for housing from one hundred to one hundred and fifty fowls. As planned, the house is one hundred and twenty feet long and fifteen feet wide, with a three-foot passage running the entire length of the building. The watering, feeding and gathering the eggs are attended to from this passage. The house is divided into ten pens, each 12x12 feet. The arrangement of roosts, nests, etc., are left to the individual fancy of the builder. A suggestion is made that the feed and water troughs, as well as nests, be placed in the partition toward the passage. This is readily done by having the feed and water troughs near the floor and the nests over them, not over eighteen inches from the floor. Make all partitions in house of boards five feet from the floor and finish to the roof with wire mesh.

The house should be floored throughout. Many make mistakes by using dirt floors and trust to drainage for dryness. Moisture or dampness is aggravating and is sure to cause trouble in the end, no matter how cautious one may be in draining and banking around the house. It is much easier to put the board floor in at the start and avoid all trouble in the future. The floor need only be from six to twelve inches from the ground. Cover the floors of each pen with four inches of dirt and gravel, and use plenty of scratching material on top of this for the hens to scratch in for the grain food. If it is desired the floor of the house may be elevated three feet from the ground and this space used as a scratching shed. If this is done, three sides of the pen must be boarded tight, the front side leading to the run only being left open. This space is excellent for the fowls when the weather is stormy, besides giving double covered floor space. The front may be covered with glass sash and kept closed during the coldest weather.

The rear view of the house shows four pens attached, which are used for growing chicks. These pens are 8x12 feet

each, and have runs 30x50 feet each. These chick houses are valuable for young stock, and is just such a place as one needs for the youngsters after they are weaned. When chicks are from six to eight weeks old they are placed in these houses and are kept there until they are transferred to the laying pens in the Fall. By such an arrangement the youngsters may be allowed free range. The pens may be alternated each day and no trouble experienced in the mixing of the colonies.

Build the house on slightly elevated ground, facing the south. Build runs as shown in illustrations and make them as large as possible, one hundred feet is not too large. Plant small fruit trees in each run and keep green stuffs growing.

Feeding for Eggs.

When eggs are desired the fowls must not be allowed to get too fat, and it is easy to keep them within bounds by judicious feeding. The best time to feed soft food is in the morning and it should be hot and stimulating. Do not feed them on the ground and do not allow the pans from which they feed to become soured and filthy. Give them sufficient for one meal and no more at a time. Rather let them go a little hungry and make them scratch than have them mope around and become lazy and idle.

Grain in excess should not be given, while bulk may be allowed in the shape of vegetables and green food. There are many ways of preparing cheap and nourishing foods which contain all the elements of the eggs. A piece of liver or meat scraps is boiled to pieces in water. While boiling add to a gallon of water a pint of soaked beans and the same of linseed meal. When the whole is cooked thicken with bran, middlings, ground oats or corn meal. Add the meal, etc., until the mess has thickened to a stiff dough. If milk be convenient it may be scalded, either curds, buttermilk or sweet skimmilk, and the bran, etc., added. Chopped clover may be added, turnips, carrots and potatoes also. When green stuff is not procurable, a few onions or cabbages, chopped, may be added; also, whatever scraps come from the kitchen—bits of fish, potato parings or scraps of fat. When no green food is convenient, good clover hay is chopped fine and steeped in water over night. Next morning heat the water and add any of the above.

All soft food should be salted; but salt should be cautiously used in poultry food, a teaspoonful to six quarts of mixed food being ample. Where there is a liberal supply of table scraps used with the mixed food no salt need be used. Where milk is used to mix the soft food salt is not required.

Condiments, such as red pepper, ginger, etc., should be fed sparingly. Once or twice a week is often enough. The best tonic is a constant change of diet, which promotes a regularity in the system, always provided the food is sound and wholesome. Feed grain at night. Charcoal should be fed to fowls occasionally or broken and placed where they can get at it, as no one thing is more conducive to health. Broken oyster or clam shells, lime or old plaster should also be supplied in abundance for material for eggshells.

Pure, fresh water is another essential to success in producing eggs. Another essential is lime in the shape of whitewash, and those who use it liberally are the ones who keep their flock healthy and cleanly. To render whitewash more effective in dislodging lice and other parasite nuisances the addition of a little carbolic acid is invaluable, for scarcely anything else seems so distasteful to the vermin. Air slaked lime should be occasionally scattered over the floor of the chicken-house to remove all unpleasant and unhealthful odors.

There are many complaints that fowls do not lay, even when well fed and comfortably housed, but this is due to not allowing them the proper kind of food or feeding too much. It is necessary to study the habits of each breed in order to know just what to do. The knowledge that is gained by experience and close study is valuable and the care bestowed on poultry is never lost. The better the care and the more varied the food he better the results and the more profitable they will be.

Their Third Annual.

The Sanatoga and Schuylkill Valley Poultry and Pigeon Association have decided to hold their annual exhibition in Pennsylvania Hall, corner of York and Walnut Streets, Pottstown, Pa., from December 29th to January 2d. It was at first thought to hold the exhibition in Kurtz's Hall, Sanatoga, Pa., but the change of base was brought about because of the apparent necessity for larger exhibition space than heretofore. The room which has been selected is forty-five by one hundred feet in size and is well lighted and ventilated, and according to the opinion of several practical poultry fanciers, is just the place for such an affair. It is lighted and heated by gas. Geo. H. Northrup, of Raceville, N. Y., is selected as poultry judge and H. A. Koons, of Allentown, will be judge in the pigeon department. The gentlemen in this movement are enthusiastic in these efforts and will surely make the exhibition in Pottstown a success. The word fail is not in their books according to their assertion. Premium Lists are now ready. Address S. J. Kurtz, Secretary, Sanatoga, Pa.

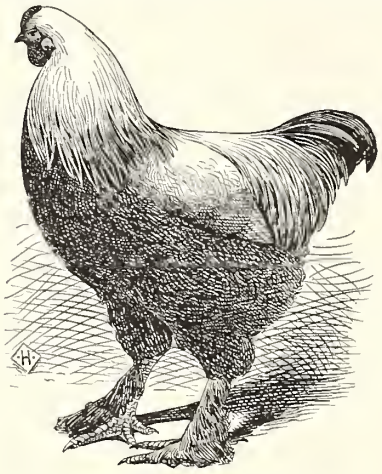
HAGERSTOWN WINNERS.

A Brief Review of Our Advertisers and Their Stock at This Event.

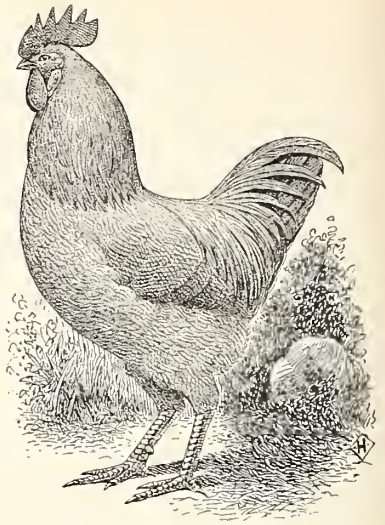
BY THE EDITOR.

AN interesting feature of the Hagerstown Show was the large list of successful exhibitors who advertise in THE FEATHER. The names of these gentlemen are familiar to our readers and their fine stock is known in all the show rooms of the East. Their successes are ours, too, and we take pride in the acquaintance and mutuality that exists. The practical demonstration which these gentlemen made by their exhibits conclusively proves our previous statements of their being the live, up-to-date breeders and exhibitors of this section of the country.

One of the best-known exhibitors was the Orr's Poultry Yards, Orr's Mills, N. Y. These yards have been long known to the reading public for the extra fine birds which they keep. The proprietor, Mr. D. Lincoln Orr, is one of the most enterprising poulterers we have, and while he is favorably known by his chickens, he is better known as the originator of the now famous Clear Grit. At Hagerstown these yards exhibited a score or more varieties of poultry, principally in Brahmas, Cochins, Wyandots, Leghorns, all varieties of Polish, several varieties of Bantams, Minorcas and Langshans. These varieties made a splendid display and the numerous cards that they won added life and animation to the scene. Undoubtedly the fine condition of the birds, their elegant plumage and most perfect



DARK BRAHMA COCKEREL.
Owned by L. B. Minich & Son.



BUFF PLYMOUTH ROCK COCKEREL.
Owned by F. G. Bean.

digestion, told the story that they are well provided with teeth with which to masticate, as it were, the corn, oats and wheat which are so liberally fed at Orr's Mills. It is said that the birds eat a piece of grit with every grain of food, alternating the grit with the feed and the feed with the grit. A wonderful world this is, but then you know that a prize winning anything must not be a dyspeptic.

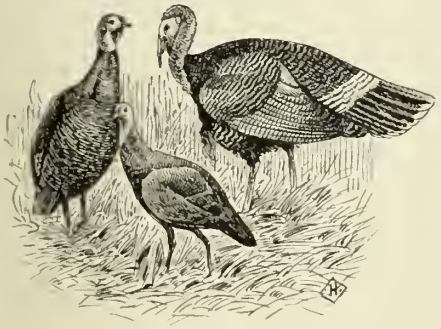
Mr. Chas. C. Townsend, Cheyney, Pa., is one of the more recent patrons of THE FEATHER. He is a breeder of Light and Dark Brahmas, Partridge Cochins, White and Black Wyandots, American Dominiques and Black Langshans. A glance at the awards published last month will show that Mr. Townsend is a winner in each class. His share of the premiums was large and very flattering to a breeder of the popular varieties which he showed. There was strong competition and he was fortunate enough to win several places in each class in which he entered. As a breeder Mr. Townsend has indeed made a success with fancy poultry.

The Messrs. L. B. Minich & Son, Carlisle, Pa., are breeders of Dark Brahmas, Golden Wyandots, Red Caps, Brown Red and Birchen Game Bantams. These gentlemen started in fancy poultry keeping about three years ago, and have been rapidly approaching the front ranks of the fancy. They purchased their first Dark Brahmas from Mr. Philander Williams, and later they purchased stock from Mr. Wm. A. Pease. It is evident that they want none but the best, and last season they purchased nearly

all of the Washington, New York and Boston winners in Dark Brahmas, besides the first pen of Red Caps at Washington. This season they have had phenomenal success in showing and have taken premiums wherever they entered. Their entries of Dark Brahmas at Hagerstown were gems of beauty. They were all that could be wished for in Darks, being of splendid size, rich color and typical shape. The illustration showing the first cockerel will give a good idea of the character of their stock. This drawing is an exact likeness of their bird and there is no attempt at idealization.

Another recent advertiser is Mr. F. G. Bean, Fairview Village, Pa., who showed White Brahmas, Buff Cochins, Barred and Buff Plymouth Rocks, Silver Wyandots, Buff, Rose Comb White and Single Comb Black Leghorns, Mottled Anconas, Black and White Langshans, Sherwoods, White Frizzles, Narragansett Turkeys and seventeen varieties of pigeons. Mr. Bean did well in his classes, winning a place in each. His strongest entry was in Buff Plymouth Rocks; on these he won first and third on cockerels, second on pullet and second on pen. We show a drawing of his first Buff Rock cockerel. This sketch was made from his bird and shows the splendid proportions of this promising youngster, but lacks in not showing the rich buff color of his plumage. His first hen and first pullet in Silver Wyandots were good birds, the lacing on each was regular and of good standard quality. In Mottled Anconas he won a good share of the honors.

To tell the story of Mr. H. A. Logue, Hagerstown, Md., and his list of entries we need only say the two words, "Buff Cochins." This one variety is his specialty, and as such he devotes all his time to their perfection. Mr. Logue considers them the fowl par excellence, and enters into his work with a love that will surely produce the best results. He won second cock, first pullet and second pen. We have an elegant photo. of his first pullet that we shall publish shortly.



A BIT OF FISHER'S ISLAND LANDSCAPE.



BARRED PLYMOUTH ROCK COCKEREL.
Owned by Edward S. Hickman.

She is an elegant specimen of her kind and of a rich buff color that does one good to look at.

The Fisher's Island Farm was one of the large exhibitors and, as a matter of fact, a large winner. This farm is owned by Messrs. E. M. & W. Ferguson and is under the management of Mr. J. F. Crangle. The most popular varieties of poultry, turkeys and ducks are raised in large numbers, the following varieties being their specialties: Barred, Buff and White Plymouth Rocks, Cornish and White Indian Games, Bronze and White Holland Turkeys, Cayuga, Mallard, Wild and Decoy Ducks. A feature of their winnings at Hagerstown was that on Barred Rocks, taking first place on cocks, cockerels and pullets. On Bronze Turkeys they took first and second places on cocks and hens. Their first Bronze cock was something marvelous in color, being the most pronounced we had ever seen. It was a veritable coat of mail. On their other entries they were equally as successful.

One of the new exhibitors at this show was Vallie Hawkins, M. D., Fawn Grove, Pa. He began exhibiting this season at the Rockville Show and won the cream of prizes; at Bel Air a few weeks afterward he won everything, and at Hagerstown he did wonderfully well. His first hen was a grand bird and well merited her honor. We will publish a more extended description of this hen in another issue.

Mr. Edward S. Hickman, Cheyney, Pa., is another exclusive breeder of Barred Plymouth Rocks. Mr. Hickman has been a regular patron at this



BARRED PLYMOUTH ROCK HEN.
Owned by A. E. Warner.

show and a glance at the awards published in his ad. will tell plainly the history of his successes. The cut of his second cockerel is no fancy sketch, but is direct from the bird, the position and all else belonging to it exclusively.

Mr. A. E. Warner, Lincoln, Va., breeds and exhibits Barred Plymouth Rocks and Single Comb Brown Leghorns. These two varieties have been bred by Mr. Warner for many years past. He has made them his specialties and his steady improvement in them has established a reputable name for his stock. He is an exhibitor at most of the shows in the East and South, and premiums are no strangers to him. Mr. Warner has made the announcement of his intention to enter the aisles as a professional judge. For several years he has been judging at the Fall shows in the States of Virginia and Maryland and general satisfaction has followed his efforts. There is no logical reason why he should not be one of the judges, for we honestly believe him as proficient in the work as some who are wearing the linen ulster, Fauntleroy cap and an austere expression. We hope he will soon begin the work.

One of the most demonstrative lessons in exhibiting was that of Mr. Denton Morford, Catonsville, Md. He has been breeding Barred Plymouth Rocks for some time, yet he had never shown any birds. He was induced to make an entry of a Barred Rock pen at this show and the result was that he won first. Remember, this is something to be proud of, and Mr. Morford is to be doubly congratulated on his success. The pen which he exhibited was splendidly mated in color and size. The cockerel heading the pen was nicely developed and had rich, even barring that seemingly ran parallel without interruption. His head was almost perfect in points of excellence; it was an ideal head. There was one pullet that was above the average of the others and she would have been certain to have made her mark in the open classes had she been competing.

One of the far-away exhibitors of the show was Mr. C. W. Beman, Port Dickinson, N. Y. His splendid stock of Buff Plymouth Rocks, Golden Wyandots and Buff Leghorns did extremely well at the show. He secured places in each class in which he exhibited.

Mr. J. W. Bruckart, Lititz, Pa., is a breeder of Plymouth Rocks, White Leghorns, Golden, White Crested Black and Buff Laced Polish, Silver Spangled, Golden Spangled and White Hamburgs. A reference to the awards as published last month will show Mr. Bruckart's winnings. He is a patron of THE FEATHER and his stock will be introduced to many of our readers in the near future.

On Black Langshans, Mr. Wm. T. Levering, Baltimore, Md., won the lion's share of honors. His birds were typical specimens of the black beauties—large, well-developed, with a radiant glossy black plumage. The sheen was of very rich metallic black, with greenish reflections. The first pen was exceptionally good in size and development, the females being nicely matched in proportion with the male. His White Wyandots and Indian Games were also winners in their classes.

Mr. James Mayo, Pittston, Pa., reminds us greatly of Dr. Dorsey in his enthusiasm for his ideal bird. Mr. Mayo breeds the attractive Silver Spangled Hamburgs. For years he has exhibited at Hagerstown and has always been a favorite winner each time.

An interesting display of fine birds was made by Mr. Chas. T. Cornman, Carlisle, Pa. Mr. Cornman is undoubtedly the largest Exhibition Game, Game and Variety Bantam breeder of the country. After years of hard labor he has reached the pinnacle of success in the fancy. He began, where all successful breeders begin—at the bottom—and has made the business go from the start. The leading shows are his resting places and his winnings would make a good-sized volume were they compiled and printed. The detailed report of his success at the Hagerstown Show was published last month. A careful reading of his ad. on page 97 will give an idea of his large business.

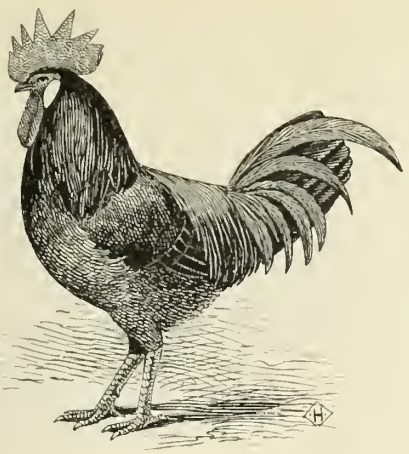
The exhibit of Mr. H. W. Vahle, Philadelphia, Pa., was one of the most varied of the entire show. His display was one of the chief attractions and those who were in attendance speak commendably of it. His principal exhibit was in pigeons; of these he showed eighty-one varieties in 150 pairs. There were many varieties in this collection that had never been seen here before.

He also exhibited Golden and Silver pheasants and Messina quail. In addition to the live stock he made a display of canary and cage bird cages, bird seeds, supplies, etc. Everything was shown in an artistic manner and proved immensely interesting to all. Mr. Vahle conducts the old and well-established business in the Quaker City that is known to almost everyone in that section. His business is prosperous and the civilized world is his patron.

A superb list of entries was made by Mr. A. C. Keyser, Lower Providence, Pa. His list included White Wyandots, White and Buff Leghorns, Blue Andalusians, Silver Campines and Blue Runt pigeons. A liberal share of honors was Mr. Keyser's lot and something anyone should be proud over. His Andalusians were extra fine birds as a whole, being as nice a collection of this variety as one would see in the majority of show rooms. It is expected that his list to the Washington Show will include those shown at Hagerstown. He begins his ad. in this issue of THE FEATHER and our readers' attention is called to his card.

The incubator portion of the show was represented by Mr. G. A. McFetridge with the Star incubators and brooders. The display of these new machines was very creditable and would have done credit to a veteran in the business. Mr. McFetridge explained to us the working of his machines; their simplicity of construction and ease of operation is sure to win them success in the field of incubation and brooding. Several machines were doing their work well and a number of little "peeps" were ushered into existence amid the excitement of a great fair. Both styles of brooders were also in operation, and the large crowds constantly around the exhibit were very enthusiastic in their remarks in praise of the new Star incubator and brooder.

Speaking of the one-variety fancier, we must mention among the enthusiasts Mr. J. M. Allen, of this city. He is not only a one-variety man, but is, in fact, the one-time exhibitor this year. His first entry was made at the Rockville Fair last September, where he literally swept things clean with his blacks. With this encouragement, he sought other honors, and, like Mr. Morford, entered one pen at the Hagerstown Show, winning first. The illustration of his cockerel, "Jerome," which headed this pen, is sketched from life and portrays the bird exceedingly well. He is shown in a good, easy position, and is carefully delineated with a view of portraiture. We are rather pleased with the sketch, because it looks like the bird we know. Mr. Allen was the "lone-star" exhibitor at this show from this section, and THE FEATHER takes pleasure in noting the successes which he has achieved. His birds are good ones and their history is only begun.



BLACK MINORCA COCKEREL, "JEROME."
Owned by J. M. Allen.

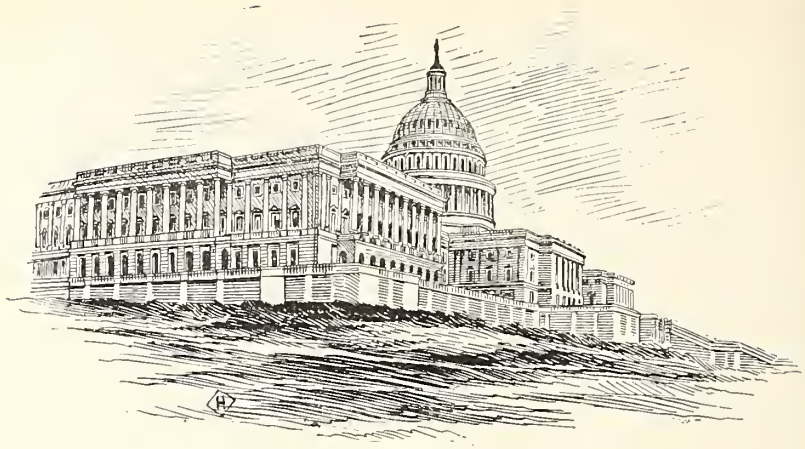
[*To be concluded next month.*]

Better than Pork.

There is no good reason why poultry should not be found very often on the farmer's table, as a pound of poultry can be produced by the farmer as cheaply as a pound of beef, mutton or pork. It is just as profitable to eat the poultry and sell the pork and a great deal more wholesome, for, as a nation, we eat entirely too much pork for the general good. The most of the pork eaten is principally fat, and this does not add to the health or strength of the consumer nearly as much as the consumption of an equally amount of poultry.

When writing our advertisers always mention THE FEATHER.

WESTERN MARYLAND POULTRY FARM, R. E. Long, Proprietor, New Midway, Frederick Co., Md.—For the next sixty days I will sell the following cockerels at one-half their value to make room for my breeding stock: 25 English Red Cap cockerels, $1.25 to $2.00 each; 20 pairs of Silver Spangled Hamburgs, $2.50 per pair; 10 one-year-old Indian Game hens, 1 cock, $1.25 each; 6 Black Breasted Red Game hens, one year old, $1.25 each; 50 White Leghorn hens, 75c. each; 10 pullets, 1 cockerel, Single Comb White Leghorns, $1.00 each; 20 Buff Leghorn hens, $1.00 each; 10 choice Buff Leghorn cockerels, $1.25 to $1.50 each; 10 pairs of choice Light Brahma chicks, $3.00 per pair; 3 extra fine Light Brahma cocks, $2.00 each; 1 Black Spanish cock, $2.00; 5 Houdan cockerels, $1.50 each; 2 extra fine Single Comb Brown Leghorn cockerels, $1.50 each; 20 Barred P. Rock cockerels, 20 White P. Rock cockerels, $2.00 to $3.00 each; 10 P. Cochin cockerels, $2.50 to $3.00 each; 5 Silver-Gray Dorking cockerels, $2.00 to $3.00 each. All of the above birds are first-class and will score from 90 to 94 points. Write quick, if you want a bargain. Satisfaction guaranteed or money refunded.



THE CAPITOL.

THE WASHINGTON SHOW.

Indications Point to a Successful Termination of the Coming Event.

LESS than two years ago the National Poultry and Pigeon Association was organized at Washington, D. C. The objects of the organization were to hold an annual show in this city and otherwise promote the interests of poultry and pigeons in the surrounding community.

In the latter part of September, 1895, resolutions were adopted to hold their first show in the following Winter. With hardly a perfected organization and only five months' time, work was begun. The difficulties were many and the task a hard one; yet, by diligent work, all obstacles were overcome and the first show was a success and has been recorded in history as an event worthy of its object.

The results of the show have been seen on every side, here, there and everywhere words of commendation have been spoken in its behalf. The interests in poultry raising have increased many fold and numerous large poultry plants in this vicinity are the fruits of the show held last January.

Thousands of dollars have been invested in the industry, and on every hand are shown the beneficial influences of the show. A gratifying result is seen in tne large increase of fanciers who have started in the business with a view to pleasure and profit. This class of breeders are to be encouraged in their work; they are the amateurs, as it were, and the result of their work is evidenced in every show room of our land.

Last year THE FEATHER claimed as an opinion that the annual at the Capital City would be of mutual benefit throughout the country. This broad claim has been fully verified by statements from the various sections during the past year. A large portion of the exhibitors at the show increased their sales of stock and eggs and feel fully repaid for the efforts in showing. Not only have the breeders been successful in their sales, but the manufacturers of incubators and supplies have been equally so, the estimate being made that $5,000 has been locally invested in this class of goods.

We dare say that the interests of remote sections have also been enhanced by this show, when it is understood that a large portion of the population, more than a third, are citizens of every State in the Union. This fact should be a double incentive to exhibitors to make their best displays here. The large number of Government employees, holding office in Washington, should be a splendid field of operation and encouragement of the industry. The diplomats of the world see a show here, which they would not elsewhere. At the time of the holding of the show Congress is in session and many members are induced to attend. If our legislators become interested in our work we may get our just deserts as an industry.

More work has been done by the Government during the last year in the interests of poultry than has been previously done in several years added together. When we consider that the poultry and egg industries are worth over $600,000,000 annually, it seems plausible that something should be done to further these industries. Notwithstanding these enormous figures, we im-

port over $2,000,000 worth of poultry and eggs annually to supply the demand. This importation should be stopped and instead of importing we should be exporting. Now that the Government is interested we may hope for good results in the future.

The innumerable shows of the country are immense factors for advancing the interests of the work. They keep alive the spirit of fraternity and should be encouraged by all. The greatest interest is centered in the four largest shows, at New York, Boston, Kansas City and Washington. These four events claim the major portion of fine birds and are looked forward to with considerable interest. Each center has its mission, its work and its lessons to teach. They differ from each other only in the personnel of the exhibitors, excepting the Washington event, the latter being international in character. At the last show there were eighteen States represented by prize-winning stock from other show rooms. The idea is a good one and the Washington Show, to be held January 12-16 next, should be the meeting place of the winners of them all, irrespective of boundaries and State lines. Suppose a bird wins at the Mid-Continental, is shown at Washington and vanquishes the New York winner in his class, who would doubt its superiority? He would be the best without dispute.

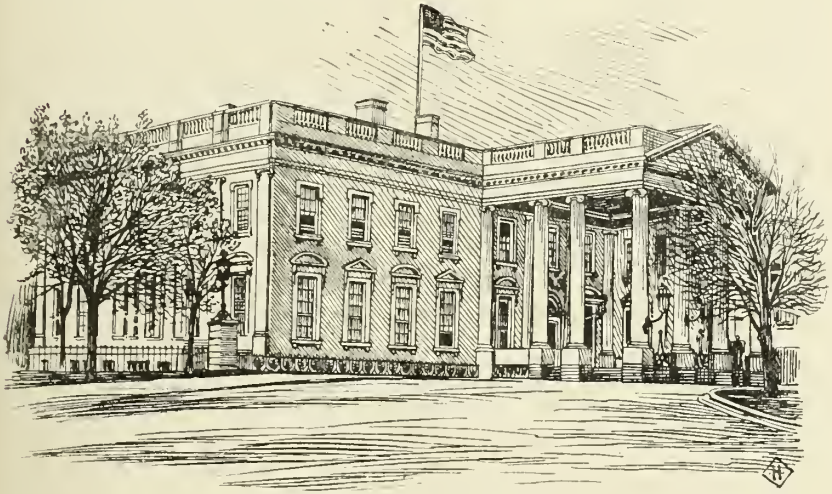
It is believed that nothing will do more for promoting the breeding of standard birds than the competition of the sections. A deviation from the standard type will be avoided and a fixed, permanent type alike to all will be established. Birds shown this month at the Mid-Continental and New York should meet at the Washington Show next, and the laurels that fell to the winner at the latter place would be of untold value to the exhibitor. Entries can be made to January 1st, giving ample time to exhibitors at New York for making their list to the Washington event.

Indications point to a large representative list of entries this year. Applications for Premium Lists and blanks are being made from the South, East, North and West. Boundaries seem obsolete and a general desire seems manifest to make the show of '97 eclipse all previous events.

Aside from the fact that Washington is a show center for poultry and pigeon breeders' it is also one that claims the lead as a place to visit. It is the exhibitors' and tourists' Mecca; the place all have a desire to visit and see the things which history has made and records daily and is so dear to the hearts of all good, loyal and patriotic citizens.

An Easy Way.

The lice problem would be solved if all poultry-houses were lathed and plastered. Not only that, but whitewashing would also be easier on a plastered wall, and the house would be warmer in Winter, the hens, therefore, more comfortable and profitable. To destroy lice it would only be necessary, once a week, to burn enough sulphur in the poultry-house to fill it with dense fumes, keeping it shut for an hour, and the work is done.



WHITE HOUSE.

The Feather,

Washington, D. C.

Published the 15th of Each Month by
GEORGE E. HOWARD & CO.

Subscription 50 Cents a Year in Advance.
Single Copies 5 Cents.

GEORGE E. HOWARD, Editor.

Advertising rates made known on application.
All matters intended for publication should reach us by the first of the month preceding the issue the same is to appear.
Write your name in full, giving full post office address plainly, so there will be no mistakes.
When writing for publication use only one side of paper. Brevity is the soul of wit.
Remittances should be made by postal note, postal money order, registered letter, bank draft or express money order.
All remittances should be made payable to
GEORGE E. HOWARD & CO.,
Room 353, Central Power Station,
Washington, D. C.

Entered at the Post Office at Washington, D. C., as second-class matter.

DECEMBER, 1896.

Will Enlarge Next Month. The publishers of THE FEATHER have decided that this journal must be enlarged. It was started in a modest way as an octavo magazine and it was supposed that it could meet all requirements for many years in that form, but its rapid increase in circulation and the extensive demands upon its advertisement columns are sufficient evidence that the time has come for adopting the more pretentious proportions of our long established and successful contemporaries.

Success is pleasant to us, but, nevertheless, we feel some regrets at abandoning the diminutive form and dainty make-up of THE FEATHER as we have developed it during the past fifteen months. The present number is a gem, such as has never before been produced in our poultry and pigeon literature, and in which we feel a natural and legitimate pride. There is only one criticism that has ever been, or can be, brought against it; the size is too small to properly represent the great industries for which it stands and to satisfactorily display the announcements of our advertising patrons.

Beginning with the January number, THE FEATHER will appear as a quarto magazine. This form will enable us to print more matter and to introduce a greater number of illustrations than heretofore. We confidently expect that our circulation during 1897 will be double the number for 1896. All of this involves more work upon the editor and publishers, but this is a pleasant task, as it enables us to perform our mission in stimulating and building up the feathered industries. Our subscription rates will not be increased, but we would advise intending advertisers to make their contracts early, as with our increasing circulation we cannot long give them the favorable terms now offered. We thank our many warm and generous friends for the patronage and assistance they have extended to us, and trust with the improvements now announced we shall merit and receive their continued favors.

* * *

Make a Resolution. The annual meeting of the American Poultry Association will be held in New York City on January 1, 1897. It is an admirable day for the meeting and no better time could possibly have been selected. Being the day of new resolutions, it would be a splendid chance for those fellows who are continually kicking, because some one else had been doing nothing, to form a resolution that they would at least try to do something themselves. It is not the association that falls short in its purpose, but the continued never-do-nothing agitator who takes delight in harrowing the life out of those who try to do something. The American Poultry Association has been the bridge that has carried the industry to the shores of success, and it is indeed ingratitude on the part of anyone to retard its purposes and aims after all it has done for the good of the fraternity. We shall be steadfast to our trust, let the cost be what it may.

* * *

Will Endear It to All. The large apportionment of new and original illustrations has been a leading feature in the make-up of THE FEATHER. With the new form we shall issue next month we are convinced that the artistic effect will be greatly enhanced. The larger pages will afford greater opportunities for displaying the illustrations than was had with the smaller pages of this edition. THE FEATHER has always been an up-to-date publication and the adoption of its new outfit as planned for next month will make it more endeared to the hearts of its readers.

* * *

Two Winning Combinations. *The American Poultry Journal*, published at Chicago, Ill., is one of the first-class publications of the fancy. It is a fit running mate to THE FEATHER, and we will offer a yearly subscription to both publications for seventy-five cents. The regular price of subscription to each is fifty cents; by accepting the above offer you save a quarter. The *Reliable Poultry Journal*, published at Quincy, Ill., is a valuable publication for the poultryman. It is one of the largest published, thoroughly *reliable* in its reading matter and the subscription price is fifty

cents a year. Send us seventy-five cents and we will send THE FEATHER and the *Reliable Poultry Journal* to your address for one year.

* * *

Will Be Withdrawn. The offer published elsewhere for the Fanciers' Companion and Breeders' Directory will be withdrawn after the 15th of January next. The first edition of this valuable reference book will be issued then and all names to be inserted in same must be in hand on or before that date. This book is sure to become popular with breeders and fanciers, and those who are not included in it will regret it afterward. As an advertising medium it is unexcelled. For particulars and rates address this office.

* * *

The Promising New Year. The Happy New Year will soon be with us. The old year has grown weary with our short-comings and is rather delighted to leave us. There are many things that would have been done differently had we but the recalling of the time that has passed. The regretful part of life is to be forgotten by the promises of the new and brighter life which we resolve to follow during the promising new year of ninety-seven. Our resolves should be based for our betterment on the follies of the past; and having resolved to do a thing, the struggle should be a brave one to live up to and conquer those resolutions calculated to improve and strengthen our characters. A happy New Year to you.

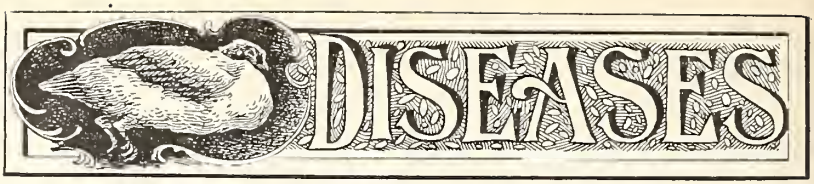
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An Informal Meeting. An informal breeders' meeting will be held in connection with the Washington Show. The aim will be to discuss all interesting topics on poultry and otherwise develop ideas for the advancement of the fraternity. Such a meeting can do powers of good for all, besides increasing sociability among those in attendance and developing the fraternal feeling that is characteristic of breeders and fanciers generally. It is expected that the exhibitors in attendance at the show will co-operate in this matter and help make this feature a crowning success to all. Let us begin now and think of the things we shall talk of at this meeting.

* * *

A Quarterly Record. The increase of advertising patronage with THE FEATHER is extremely gratifying. Beginning with the October number we have published in each issue the new advertisers for the month. There were forty-three new ads. in the October number, fifty in the November and forty-two in this month, making a total of 135 new ads. for the first quarter of the busy season. Following is the list for this month:

Buckeye Incubator Co., Springfield, Ohio, Flower City Incubator Co., Rochester, N. Y., Blairsville Mfg. Co., Blairsville, Pa., and A. Hearson & Co., Jersey City, N.J., incubators. W.T. Greene, Hopkinton, N. H., Black Langshans, Black Minorcas and Barred Plymouth Rocks; Mrs. J. J. Hayslip, Bartlett, Tex., Black Langshans; Sid. Conger, Flat Rock, Ind., B. P. Rocks, Light Brahmas, Black Langshans, Cochins, Wyandots, Leghorns, Oxford Sheep and Jersey Cattle; S. A. Howland, Granville, N. Y., Homers; Michael K. Boyer, Hammonton, N. J., "A Living from Poultry;" C. W. Tuck, Homer City, Pa., a dozen varieties of fine poultry; Geo. H. Burgott, Lawton's Station, N. Y., S. C. Brown Leghorns and Buff and White Plymouth Rocks; W. L. Swett, St. Johnsbury, Vt., several varieties of thoroughbreds, also Belgian Hares; Woodcleft Poultry Yards, Freeport, L. I., N. Y., Black Minorcas, Cochin and Game Bantams; A. J. Zercher, Conestoga, Pa., Light Brahmas and Buff Cochins; Denton Morford, Catonsville, Md., Barred Plymouth Rocks; Mrs. Jas. Osborne, Fabius, N. Y., White Minorcas; R. P. Thompson, Patterson, N. Y., Buff and White Cochins; Wm. M. Hughes, So. Portsmouth, R. I., Black Langshans, Black Cochin Bantams and Yucatans; E. S. Schmid, Washington, D. C., poultry, pet stock and supplies; Henry Bussa & Son, Creston, Ill., Brown Leghorns, Golden Wyandots and Partridge Cochins; A. W. Marburger, Denver, Pa., Barred Plymouth Rocks; Hamme Bros., Smith's Station, Pa., Leghorns and Light Brahmas; A. C. Keyser, Lower Providence, Pa., prize-winning Blue Andalusians; Chas. Nixon, Washington, N. J., White Wyandots; Geo. Reed, Glen Gardner, N. J., Barred Plymouth Rocks; Mrs. Chas. Jones, Pawpaw, Ill., Barred Rocks, White Wyandots and Pekin Ducks; B. Tranter, High Bridge, N. J., Barred Plymouth Rocks; John Bennett, Sunman, Ind., White Faced Black Spanish; J. E. Stevenson, Columbus, N. J., Plymouth Rocks, Wyandots, Black Minorcas, White Holland Turkeys and Pekin Ducks; John L. Cost, Hagerstown, Md., Light Brahmas; Fred. W. Babcock, New Haven, Conn., the Greeley Roup Cure; Chas. A. Brown, Brockton, Mass., Black Langshans; Perry Crawford, Bristol, Tenn., Light Brahmas and Pit Games; J. T. Rhodes, Leechburg, Pa., anti-freezing drinking fountains; Albert M. Black, Greencastle, Ind., White Plymouth Rocks and Partridge Cochins; Howard C. Wall, Washington, D. C., offers his entire loft of record Homers for sale; Jno. Loeffler, Baltimore, Md., fancy pigeons; M. V. Caldwell, Elkton, Ohio, Bronze Turkeys and Toulouse Geese; Ish C. Myers, Leesburg, Va., eighteen varieties of thoroughbred poultry.



CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Diphtheria (Roup).

BY DR. D. E. SALMON.

THE term *roup* is applied to one of the most common and destructive diseases to which poultry, pigeons and other domesticated birds are subject. It is a contagious disease, which first affects the walls of the nasal passages, the larynx, pharynx, mouth and eyes, and which may extend to the trachea, the bronchi, the lungs, the air-sacs and even to the intestine. The disease is characterized by a grayish-yellow fibrinous exudate, which forms a layer upon the mucous membrane of the localities mentioned. This exudate or *false membrane* is intimately attached to the living tissues, so that when it is forcibly removed a raw, bleeding surface may be left; and its formation may be so abundant as to obstruct the passages through which air is drawn into the lungs. Common colds and infectious catarrh are often incorrectly called roup, but this term should be limited to the disease in which false membranes form upon the mucous surfaces, usually of the mouth, upper air passage or eyes.

SYMPTOMS.

When first noticed the affected birds show symptoms of common colds, consisting principally of a watery secretion from the eyes and nose; later they appear dull, their appetite is irregular, they cough or sneeze, their breathing is more or less obstructed and audible, and the discharge from the nostrils and eyes becomes thicker and more adhesive. If carefully examined at this time the back of the mouth or perhaps all of the internal surface of the mouth may be found red, swollen and in places covered with a thin yellowish or grayish layer of false membrane which has only recently been formed. This membrane becomes thicker as the disease advances. With pigeons it is cheesy (caseous) and easily detached, while with fowls it is more resistant, fibrous and can only be removed with some force, frequently leaving a raw, bleeding surface. Later it become rough on the surface, dry, fissured and of a brownish color.

The sick birds rapidly lose strength and flesh, their plumage becomes rough, the wings fall and they are easily caught. The difficulty of breathing causes the bird to extend its neck and open its mouth to admit the air. In sneezing masses of thick mucus may be expelled and pressure on the sides of the nostrils may cause the secretion to trickle from the nasal openings.

In case the eyes are affected, they are seen to be red, weeping, and the lids may be glued together by the secretion. Purulent or caseous products form in the angle of the eye or beneath the lids, which, unless removed, cause pressure and lead to suppuration and perforation of the cornea.

When the larynx and trachea are affected the breathing is difficult, and there is panting and wheezing. Mucus and exudates accumulate and are ejected in considerable quantity during fits of coughing. The decomposition of the membranes at this period gives the breath a very marked and disagreeable odor of putrefaction.

The intestines may also be affected, particularly with turkeys and waterfowls. This complication is indicated by aggravation of the general symptoms and by copious diarrhea, in which more or less blood may escape with the evacuations. In such cases the exhaustion is rapid and death soon occurs.

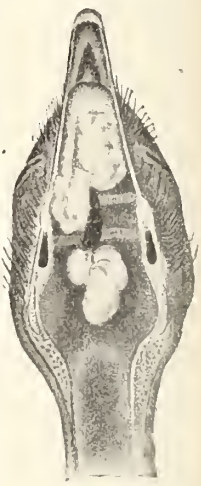


FIG. 1.

The roof of the mouth showing the exudate of diphtheria. (Natural size.)

Very often the disease assumes a chronic form with obscure symptoms. The birds are dull, weak, lose flesh and fail to lay eggs. There may be slight catarrh and difficulty of breathing, and a careful examination, particularly if it be a *post-mortem* examination, may reveal patches of exudate in the nasal passages, the mouth, pharynx or larynx. In some cases no local manifestations can be detected.

The course of the disease varies from a few days in the acute form to several weeks in the chronic form. Locally the

disease begins with a thin serous secretion from the affected mucous membrane, which soon becomes viscid and acquires greater consistency until a firm exudate is deposited upon the surface. If removed at this stage it leaves a raw, bleeding surface; but if allowed to remain it becomes darker in color, uneven and cracked on the surface, dried at the edges, emits a disagreeable odor, due to putrefaction, and may be removed without causing bleeding, as the surface beneath has partly or entirely healed.

In the very acute cases the disease is exceedingly destructive and a large part of the flock may die in a few days. The chronic form may not cause many deaths, but renders the birds unproductive for weeks or months. Between these two extremes there are all gradations of virulence.

The period between exposure to the contagion and the development of the symptoms may be only three or four days or as long as two weeks.



FIG. 2.

The floor of the mouth showing the diphtheriticexudate over the tongue. Natural size.

CAUSATION.

The diphtheria of birds is undoubtedly contagious. It is usually introduced into a flock by the exposure of the birds to sick ones at shows or by bringing affected birds on the premises. The contagion may be carried by birds which have the disease in so mild a form that they show no symptoms of it. There is a general belief that the disease may be developed by exposure of birds to drafts of air or by keeping them in damp, filthy and badly-ventilated houses. This conclusion is probably incorrect and is accounted for by the early symptoms of acute diphtheria and those of all stages of the chronic form resembling the symptoms seen in catarrhs and colds. Dampness and lack of ventilation no doubt favor the maintenance and development of the contagion and predispose the birds to the disease. It is, however, very doubtful if the disease can be originated by such conditions in the absence of direct infection by affected birds.

The scientific investigations which have been made of this disease lead to the conclusion that it is caused by a bacillus; but the germs studied in European and American outbreaks appear to be unlike. Further researches are required before these discrepancies can be explained.

The disease is not easily inoculated from bird to bird, though it is readily communicated when well birds come in contact with those that are affected, live in the same houses or drink from the same vessels. In certain cases it has been shown that the disease was contracted by feeding upon the false membranes coughed up or removed from sick birds, and it is thought that the contagion is also disseminated by allowing the carcasses of birds which have died to lie around within the reach of the remaining fowls.

The diphtheria of birds is not the same disease as the diphtheria of people. It has been found, however, that a form of diphtheritic sore throat sometimes occurs in people who are working about birds affected with diphtheria; but this disease differs very greatly from the ordinary human diphtheria and is much less serious. On the other hand, it is asserted that the diphtheria of children is sometimes communicated to birds, and that the contagion may be thus preserved for a considerable time and again transmitted to children.

Poultry and pigeons are sometimes affected with an inflammation of the mucous membranes caused by coccidia, which may be mistaken for diphtheria. It is distinguished by the fact that it first develops upon the skin of the head in the form of small wart-like excrescences, and then extends to the mouth and nostrils, where patches of false membranes are formed. The diphtheritic affection in this case is consecutive to the skin disease, while with the true diphtheria the skin is only rarely affected, and, then, this trouble is secondary and due to extension from the mucous surfaces.

TREATMENT.

The treatment should be divided into three parts: 1st, measures for preventing the introduction of the contagion; 2d, measures for suppressing the disease in the flock, and, 3d, treatment of individual birds.

The prevention of diphtheria is much more successful than its cure, and, besides, it saves much time and many valuable birds. Do not allow your fowls to mingle with those of your neighbor or to go upon ground which other birds frequent. If some of the birds have been to a show or if new birds have been purchased for the flock, quarantine them at a distance from the home flock for thirty days before they are allowed to go together. While in quarantine they should be examined from time to time for symptoms of diphtheria, with special reference to the existence of grayish or yellowish patches in the mouth or eyes or obstruction of the breathing. If

at the end of thirty days they have shown no symptoms of this kind the danger may be considered past. Keep the poultry-houses clean and dry, have ample ventilation but freedom from drafts of air, and arrange the house so that the sun may shine into it a portion of the day.

If the disease appears in the flock, remove the sick birds for treatment as soon as the earliest symptoms are detected. Disinfect the poultry-house and runs with a five-per-cent. solution of crude carbolic acid and repeat this disinfection at least once a week while the disease remains. Burn or safely bury all dead birds.

The sick birds should be placed in a warm, ventilated, clean, dry hospital room, where the air will not blow on them and where they can be readily caught for examination and treatment. Apply three times a day to the diphtheritic spots in the mouth and eyes a two-per-cent. solution of either creolin or pure carbolic acid in water, and if possible inject a small quantity of the same solution into the nostrils. Remove the diphtheritic membranes as soon as this can be done without causing bleeding from the affected surface and continue the application of the remedy. Tincture of iodine has been successfully applied to the diseased parts of the mouth, and a solution of salicylic acid in water, two grains to two ounces, is recommended for the eyes. An excellent remedy is made by dissolving thirty-five grains of chlorate of potassium and two grains of salicylic acid in one ounce of water and adding one ounce of glycerine. This liquid should be applied to the diphtheritic spots two or three times a day and may also be given internally in the dose of a teaspoonful for fowls and one-fourth to one-half as much for pigeons.

Fumigation with oil of turpentine by evaporating this in the room so that the affected birds will be forced to breath the vapors has been found beneficial. It is best not to use fire for this evaporation, as the turpentine is very inflammable. The desired result may be obtained by bringing a brick, a stone or a piece of iron which has been previously heated at the stove and pouring the turpentine upon this as fast as it evaporates. This fumigation should be repeated twice a day. Stimulating and tonic remedies have been more or less successful and are especially valuable in the chronic forms of the disease. The following combination may be used: Cayenne pepper, sulphate of quinine and sulphate of iron of each one grain. Mix and make into pills with a small quantity of moistened flour. Give at one dose for fowls and for pigeons give one-third to one-half as much.

Fowls which have been affected should not be returned to the flock for thirty days after they have apparently recovered, otherwise they may still communicate contagion.

About Eggs.

Eggs boiled twenty minutes are more readily digested than if boiled five; they are dry and mealy and more easily acted upon by the gastric juice.

The whites of eggs will frotn more rapidly if very cold; a pinch of salt added helps to cool them in warm weather.

Hoarseness and tickling in the throat are relieved with a gargle of the white of an egg beaten to a froth with a tumblerful of warm sweetened water.

If the yolks of eggs are well beaten and a little flour sifted over the top, they will keep for a day or two; but leave the whites unbeaten if not used at once.

An egg in a bottle is a great curiosity. Soak an egg in very strong vinegar until the shell softens, when it can be gently forced lengthwise into a wide-mouthed bottle. Pour very cold water over it repeatedly and it will resume its natural shape.

A raw egg beaten with a little pulverized sugar, half the quantity of cream or milk, is excellent for convalescents or elderly people. Very sick people can sometimes eat the yolk of a hard-boiled egg when the white cannot be eaten with safety.

In Five Seconds.

The *Chicago Chronicle* vouches for the following: George A. Fisher, of Chicago, claims the chicken-picking championship of America, and is anxious to meet Frank W. Gurner, of Eastport, L. I., in a contest for any amount up to $10,000. Gurner some time ago picked a chicken clean in five seconds, and is prepared to meet any man in the world. Fisher is said to have taken the feathers off 200 chickens in fifty-seven minutes.

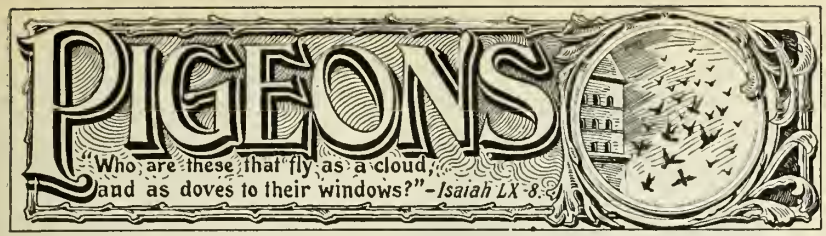
Clubbing List.

Name of Publication	Price Alone	With The Feather
The Feather	$0 50	
American Fancier	1 50	$1 60
American Poultry Advocate	25	60
American Poultry Journal	50	75
American Stock-Keeper	1 00	1 25
Fanciers' Monthly	1 00	1 25
Fanciers' Review	50	75
Farm-Poultry	1 00	1 25
Homing Exchange	50	75
New England Fancier	50	75
Ohio Poultry Journal	50	75
Pigeon Flying	50	75
Pigeon News	1 00	1 25
Poultry Keeper	50	75
Poultry Monthly	1 00	1 25
Reliable Poultry Journal	50	75
Southern Fancier	50	75
Texas Poultry Journal	50	75
Western Poultry Journal	50	75

Yours Fraternally,

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CONDUCTED BY J. C. LONG, NEW YORK CITY.

TID BITS.

The Show Pen, Diseases of and Preparing Pigeons for the Show Room.

BY J. C. LONG.

IN selecting pigeons for the show pen many young exhibitors seem to work on the supposition that two is a pair, no matter what their sex may be, and judges frequently have their patience tried by discovering, after the awards are all made, that in certain pens where on first observation that peace and harmony prevailed which is supposed to be a peculiarity of doves, discord and tumult had made its appearance, and the former gentle pets had become angry gladiators, striking, biting and wrestling, each trying to drive the other to the wall, and in every way known to them trying to gain the mastery. Naturally this necessitates a change in the awards, because two male birds are not, strictly speaking, a pair, and if the class is a large one, requires the judge to go through it again or lay himself open to the charge of incompetency. Consequently exhibitors should be careful in sending their pigeons for exhibition that their pairs consist of one male and one female.

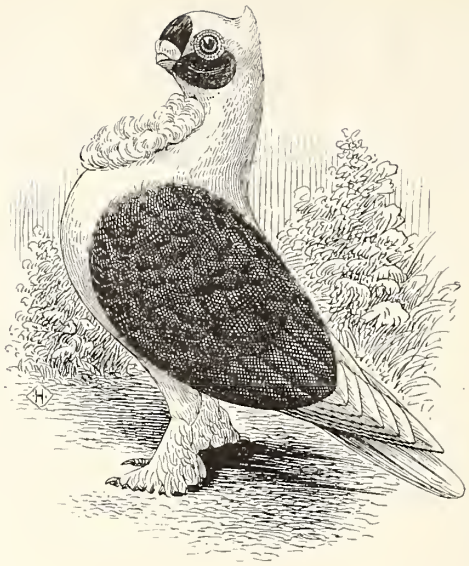
Observation has taught me that often birds come to an exhibition with the full knowledge of the exhibitor that they are not pairs, he thinking that as long as they resemble each other and agree the deception will not be detected. As long as they are quiet, which they generally are for the first day or two, the deception is successful, for the judge, relying on the honesty of the exhibitor, takes it for granted, seeing no signs to the contrary, that he has nothing but pairs before him, places his awards unsuspicious of fraud. For there is that peculiarity about pigeons that, with but few exceptions, the sexes so closely resemble each other that the most experienced fancier cannot distinguish one from the other where they are quiet and peaceful. Two hens have been frequently shown for a pair and the deception would never have been discovered if they had both been satisfied with the situation and, working in the interest of their owner, restrained their dislike for one another and kept still. Cocks are not so safe to experiment with, as they begin to assert themselves and show their combativeness too early in the game; many times as soon as placed in the exhibition cages. No doubt mistakes occur, and unless a man knows his pigeons well and has every pigeon noted, he is liable to get two together of the same gender; but while this is unfortunate for the exhibitor, it is no excuse for the birds if barred out for not being pairs. The premium lists usually mention that a pair shall consist of a male and female, and all the excuses in the calendar will not change the fact when the disparity exists.

Frequently during the sudden changes in the weather peculiar to the Fall months pigeons will take cold. You go into the loft and see one of your favorite birds gasping and struggling for breath; on examination you find his throat and whole breathing apparatus as far as you can see badly congested and the question arises, what shall be done for it? Numerous remedies suggest themselves, and, by the way, remedies of all kinds should be kept at hand for immediate use. Swabbing the throat with a solution of chlorate of potash will be good; also, make a pill about the size of a medium-sized pea of butter and black pepper, having pepper enough so it will knead well. A preparation of camphorated oil, with about five drops of carbolic acid to the ounce, is an excellent article to have at hand. With this rub the outside of the throat and nostrils well. Put the bird in a warm place and in a short time you will find it relieved. If not, other remedy is at hand—rub the throat well with ordinary kerosene oil and it will have a good effect. A little can be used inside of the throat with no likelihood of any evil consequence.

[*Continued next month.*]

Bees Outfly Pigeons.

An apiculturist of Westphalia made a bet that twelve bees, released at a distance of three miles from the hives at the same time as twelve pigeons, would travel over the ground as quickly as the birds. The first bee entered the hive one quarter of a minute before the first pigeon reached its columbary. Three other bees arrived before the second pigeon, and the remainder of the competitors reached home almost simultaneously.



The Turbiteen.

Turbiteens should be good in head as the best English Owl. Their head should be round and even, short, thick beak, down face and arched neck, whether crested or plain-headed; rather large in size, with excellent and dignified carriage; well-developed frill extending from the upper part of the neck down to the full breast; grouse-muffed and longer muffed legs and feet; white body, with colored shoulders, and head markings. Whatever their color may be, whether black, red or yellow, it is deeply brilliant and glossy. Evenly head-marked birds are scarce. There are besides the above-named colors blue, blue-checkered, silver with black and brown bars, silver-checkered, yellow-checkered, red-checkered, red-barred, yellow-barred and very light dun. All should possess the head-markings, either in one single spot on the forehead, commencing from the beak, or with the additional side markings, equal in size whether they are large or small, starting from the sides of the beak. They should have no less than seven white flights and no more than ten; the former is the standard of their originators. The birds possessing large head-markings generally have red eyes, as in the colored Owls, but often those with a spot only have the dark eye of the Turbit. The most important points are considered among fanciers to be form of beak, color, frill and muffs, but they entirely overlook dark thighs, which they consider of not the slightest detriment to a bird, so they are dark thighed.

A Day with Pigeons.

On one of those pretty days last week the editor, in company with Mr. G. A. Fick and his interesting little son Ferdie, spent the whole day in visiting the pigeon fanciers in the Monumental City. It was just such a day, sunshiny and bright, when the spirits were high in expectancy for a grand show of the individual fancier's best birds in their own little show rooms, which they are so accustomed to and where they seemingly take pride in disporting themselves for the benefit of their keeper and friends. My! what a pretty sight it would be to see the same life and animation in the show room which these little pets have in their own houses. It would make fanciers of us all. Their billing and cooing are truly the expressions of love and affection, making living examples to profit by for those who see them and keep them. If all our loves and domestic relations were fashioned after those of a pigeon it would indeed be a happy world!

Our first call was made on Mr. Theo. Warner, the well and favorably known breeder and fancier of Oriental Frills. Mr. Warner has a pretty loft that is well kept and beautifully planned for these dainty pets. Everything is just so, and one cannot help but enjoy the beauties of his birds. These birds are not of the common kind, but of that superior quality that one takes pleasure in keeping and showing. Among his assortment of Frills we noticed Yellow, Black, Dun and Sulphur Laced, some Checkers and a few Tumblers. He has one Black Laced cock that is a marvel of his kind; his head properties and lacing are not to be seen every day in one's life. The lacing is distinct and so sharp and regular in outline that it might easily be mistaken for the artificial rather than the real. The Dun Laced hen is a counterpart of the above-mentioned cock in markings, excepting that of color. The color is simply beyond describing; its tint was of such a delicate nature that we feel at loss to make a comparison for fear of conveying something harsh to the reader's imagination. We are pleased to note Mr. Warner's success with his birds and feel that he will surely win in competition with others. His parent stock are imported birds from Crystal Palace winners.

Much to our regret we did not find Mr. T. S. Gaddess and Miss Ethel D. Hinds at home. Mr. Gaddess is the most popular breeder of Tumblers in this country and his loft of birds has been the envy of fanciers for many years. We

saw a number of his birds in the aviary, and, judging by what could be seen at the distance, we venture to say they have lost none of their prestige. Miss Hinds is a next-door neighbor to Mr. Gaddess and is also a fancier of Tumblers. Her loft is large and nicely arranged for her birds' comfort. Every bird was in splendid condition and showed to advantage. The quality of stock was excellent.

We went directly to the lofts of Mr. John Loeffler, another breeder of Oriental Frills. Mr. Loeffler has been breeding pigeons for over forty years and his love for them is as great to-day as it was in his younger days. He is completely infatuated with the fancy, and we dare say he would be, without pigeons, like a ship at sea without a pilot. His stock of Bluettes, Satinettes and Turbits were in the pink of condition. Everything about his loft was just as a good fancier should have it—neat, clean and wholesome. Incidentally we might say that Mr. Loeffler is a breeder of the German Song Canary. Adjoining his pigeon loft is a bird room. When we opened the door to see this compartment we were greeted with songs of welcome from these dear little fellows. It was a cheery sight and we almost believe we could spend half our time with them without cause of regret. Mr. Loeffler keeps them in this room without heat during the entire Winter. He said he never lost a bird from cold. He breeds them every year and averages twelve youngsters to a pair during the season.



G. A. FICK.

Another disappointment was not finding Dr. Chas. H. Meyer at home. The doctor is a breeder of Oriental Frills. His stock was of the same character that we had been seeing all day—good. We understand he is enthusiastic about his birds and spends many of his leisure hours in their company. A portion of his Blondinettes are from the lofts of Mr. Warner, as above mentioned, and his other stock of breeders from reputable lofts. He had just finished a splendid shipping coop for use in sending his birds to the shows.

Barbs, rich and gorgeous, we found at the lofts of Dr. W. W. White. These are the birds that have been going the pace for their owner and winning laurels over others of their kind. We had often heard of them, but had never had the pleasure of seeing them as we did on this day. Those who can appreciate a good Barb will never go amiss on these. For more than twelve years Dr. White has devoted time, patience and perseverance to the perfection of this bird; he has spared nothing to make them the premiers of pigeondom. How well he has succeeded his stock can testify. The doctor fairly loves a Barb and can see all in them that would cause man to breed pigeons. Many years ago he began breeding them and has continued without cessation to the present time. He began with a pair of Whites and one Red. To these he added a liberal infusion of imported blood as the foundation of his strain. This strain has been shown regularly at our large shows and has always won their way to the front. Not contented with home winnings, he has for the last five years been an exhibitor in the English show room. Who can say as much? We believe him to be the only pigeon exhibitor who left his own domain to seek fortune in the enemy's camp. In 1890 he won at the Crystal Palace Show fourth on hen. Last year he sent two birds to Leeds, England, and won first and special on hen in a class of fourteen; the hen winning over cocks and hens. He also won second on young cocks, bred in 1895, at the same place. The same season he won second and third at Liverpool. Doctor White has undoubtedly one of the best lofts of Barbs in this country and the stability of his stock is sure to become a factor in keeping the high standing of this variety in the front ranks of the pigeon fancy.

His son, Dr. W. W. White, Jr., is also a fancier of pigeons, his hobby being

the bold and courageous Homer. He is a member of the Americus Flying Club of Baltimore. The latter's loft is on the roof of their elegant residence, and a model flying loft it is, too. There were some good specimens of record stock here, and their healthy, vigorous appearance told plainer than words of the care and attention they are receiving. His best record for 150 miles, young bird classes, is 1,233 yards. In old bird races, 300 miles, he sent seven birds and had six to home same day and the other next morning; the best average speed for this fly being 1,447 yards. This fly won him the second District diploma. In the 400 miles he had three out of five to home same day, other two homing next morning. In 500 miles his best has been in at 9 A. M. of second day.

In the afternoon we took the electric cars for Govanstown, the pretty suburb of Baltimore, for the loft of Mr. Ernest Gill. Here we found the handsomest loft it has ever been our pleasure to see. Mr. Gill is one of the genuinely enthusiastic fanciers of this country who raises pigeons solely for pleasure. We were admonished to speak moderately about what we saw, but really it would be unjust on our part were we not to pay tribute to such exquisite birds and lofts as Mr. Gill has. Everything is to a nicety; there is nothing there but what should make a fancier feel doubly interested in his stock and his stock more so in him had they the power of expressing their appreciation. Here you found Satinettes, Blondinettes and Muffed Tumblers in profusion. These birds were gems in quality and their pedigree is of the highest. There was a Black Laced Blondinette which was of rare markings and head properties, just such another bird as Mr. Warner has; it would be interesting to know which has the better. After the Washington Show is held and these two champions have met each other the world will know, but we will withhold our opinion just now. You see, one bird was in the city and the other in the suburbs, with good distances between, and we fear our opinions might be of the character of the Governors of the Carolinas—a long time between acts, with no choice to make. Mr. Gill has promised to give the plans and detailed description of his lofts to THE FEATHER'S readers in the near future. It will be a treat we are sure.

As the sun was sinking in the West and another day had been spent, we found ourselves at the home of our esteemed friend, Mr. F. A. Rommel, the well-known Russian Trumpeter breeder and fancier. Mr. Rommel has a high standing as a successful fancier and his knowledge of pigeons is to be sought after. He is now conducting the supply business which Mr. Tieman established. Here is to be found everything that a fancier needs and all kinds of birds, aquariums, etc. We hope Mr. Rommel will score a success in his new enterprise. He has our best wishes.

It was now too late to call on Mr. W. Stewart Diffendorffer, as had been originally planned. We hope in the near future to fulfill this visit. This occasion is taken to extend thanks for the courteous treatment extended us by the fanciers, and we feel especially grateful to Mr. Fick and his charming little son, Ferdie, for the day's pleasure with the pigeons. We can only remark upon the closing episode on pigeons by Ferdie. It was this. Toward the close of the day Ferdie said to us: "If there were three pigeons sitting on a limb of a tree and two of them were shot, how many would be left?" We promptly answered there would be one left. "Oh, no," he said, "there would be none left, 'cause the other would fly away." We thought this was pretty good logic for so young a fancier, and as our train was in waiting, we flew. EDITOR.



FERDIE E. FICK.

A Fancier and His Son.

Our readers have for a long time been acquainted with the name of Mr. G. A. Fick and with his birds, but until now it has only been a guess as to what he was like. We publish herewith striking portraits of him and his son, and believe they will be greatly

appreciated. Mr. Fick has been a lover of birds all his life and evidently inherited his love for pets from his father, who took great pride in breeding all kinds of German birds. At present Mr. Fick's hobby is Magpie and Swallow pigeons, which he keeps at his city residence; at his country place he is practically interested in Polish chickens, although he has other varieties. Mr. Fick has proven one of our solid stand-bys. His honest and manly ways and integrity in business transactions have won him an enviable position among all fanciers. He was born in the City of Baltimore forty-seven years ago and has resided there ever since. Practically his love for pigeons and birds has been with him since his birth, and ever since he has been large enough to know between right and wrong he has chosen the right and held companionship with the feathered tribes. His large lofts of Magpies and Swallows contain some of the best birds in this country and their show records make them much sought after.

His son, Ferdie E. Fick, is ten years old and has been his constant companion in all his visits to shows and lofts. He is his only child and father and son are the only members of the family. The wife died about six years ago and he suffered the loss of his mother about one year ago. Little Ferdie has been keeping pigeons for five years, his preference being Inside Tumblers. He prefers these because he can catch and fondle them. He is greatly interested in them, in fact, he likes all kinds and has them very tame.

Short-faced Tumblers.

These birds have lost nearly all propensity to tumble. Some have gone so far as to question whether they ever did possess this power at all. But there are occasionally found, even at this day, as we personally know, birds of this variety which are fair performers. Such birds of course are rare.

The Short-faced Tumbler is a small bird, with a broad chest; a rapidly tapering neck, thin at the gullet and thrown quite far back; short and fine legs; short flights and tail; trailing wings; short and round but broad and high head, the forehead rising abruptly from the beak; short, fine and straight beak, not exceeding five-eighths of an inch in length; large, circular and prominent eye, black in the pupil with a white or pearl iris, and small cere around the eye, the feathers growing as close as possible to the lids. The carriage is jaunty and saucy, as the bird walks on tip-toe with head thrown well back and wings trailing.

Short-faced Tumblers are dependent upon other birds for feeding and rearing. The young are delicate, many die in the shell, and when hatched require the aid of other varieties in rearing. The common Tumblers and coarse-beaked Jacobins make good feeders for them. Short-faced Tumblers are excellent birds for the beginner to avoid until he has attained some experience in the management of pigeons.

At Little Cost.

Unlike most hobbies, the breeding of pigeons is inexpensive and within the reach of the humblest. The original outlay is small. A few dollars will procure a few pairs of pigeons and a disused loft or upper room can be fitted up for little or nothing—and there is your hobby, which soon pays its own way.

Advantages of Pedigree Stock.

Richard Wood says: "Scientific breeding is a subject worthy of much discussion, and one that has long engaged my closest attention. Happy should be the man able to fathom its *many mysteries*.

"As I have previously intimated, an idea prevails in the minds of some people that to breed good birds it is simply necessary to match together high-class specimens of each sex, and that the result of such a union should be offspring of the orthodox type and quality. Now, although good birds cannot be expected from bad ones, yet youngsters of the highest merit may be--nay are--produced from the mating together of imperfect specimens thus: A cock possessing certain properties in excess, matched to a hen deficient in the cock bird's excellencies but possessing other points in which the cock bird is deficient has been known to produce birds that have excited the admiration of all who have seen them. This blending together of the 'good and deficient' is most interesting work, and is the foundation upon which to build a strain of any variety, with peculiarities and characteristics most striking."

350 Archangels For Sale!

☞Unsurpassed value for the money at $3.00, $5.00, $7.00 and $10 per pair.



Show or Stock Birds...

Always on top wherever exhibited, and have won all honors in a class of 48 birds, which represented the several prominent lofts of America in 1895.

Dark or Light Bronze.

☞Enclose stamp for reply. No postal cards answered.

GEO. G. FETTEROLF
Langhorne, Pa.



SQUABS FOR MARKET.

Care and Attention to Details Are Essential to Success.

THERE are several reasons why squabs die, and all are results of our negligence, inbreeding, lice, colds—developing into all sorts of fatal results. Grit is another too frequently forgotten requisite. Most of our brothers say, "my squabs die when about two weeks old." This suggests to us that as long as the parents are provided with the natural soft feed the young thrive, but as soon as the supply is exhausted and the young have to received corn, wheat, etc., they die with a crop full of grain, and there is no reason why they should if the gizzard is supplied with grit to masticate the food. If a human being should swallow meat, bread, and everything we eat without mastication, how long could the stomach perform the duty of digestion and assimilation? Death would soon result, with the stomach full of undigested food, and we must not forget that pigeons, fowls and all feathered creatures have to masticate their food with a bag full of teeth called the gizzard, and being subject to us and our care, be it good or bad, depends this important feature too often unthought of. If our birds have their liberty they won't ask us to supply this need, but if confined and fed in the coop, they frequently for weeks will stay inside, and the result is, as our friends find it, dead squabs, unless a bountiful supply of coarse sand is available. Lice will cause death if allowed to breed unarrested, but not at any stated period in the age of young; and there seems no other cause for squabs dying at the age of from two to three weeks except the one we give.

Another requisite which costs comparatively little or nothing, is salt. A piece of mineral salt as large as a man's head will only cost a dime or so, still we find even this lacking as we happen to drop in on some of our troubled brothers, or sum up their correspondence. We live at the edge of a river of salt water, and it is surprising to see in the course of a day hundreds of common pigeons and others fly to the water and drink it, and also pick up pieces of dirt, grit, etc., saturated by the tide of salt water. Not an hour in the day but what more or less flocks of pigeons may be seen there; even our own, if at any time the supply gets low, they will at once seek the river; and how great the danger in their visits; gunners are frequently after any prey their eyes rest upon, and 'tis an easy matter to have a ten dollar bird shot for the want of a ten cent investment in a piece of mineral salt. It should be sprinkled with water every morning when the pigeons are watered, and you will see how they will run their beaks over it and enjoy it. It is so strange that even the most simple and inexpensive requisites are found wanting in not a few of our brothers' lofts; and we would give more for the future of a breeder whose interest is centered in every comfort and necessity of his flock, rather than the polished appearance of the outside of a gorgeously painted coop. Salt is actually essential to promote health, and especially where pigeons are fed lavishly. We never can find a squab or adult wild pigeon troubled with canker, etc., as the blood is not enriched to such a high degree by rich food and plenty of it. Again, if pigeons have their liberty they will seek and get every ingredient conducive to health, even if they have to fly miles to find it or visit another loft where it can be found.

Five of our correspondents who are losing squabs breed their birds in confinement, and the lack of necessary attention is the cause of their troubles, and we guarantee if the following suggestions are carried out there will be less need of burying squabs. Cover well the floors of coops, etc., with coarse sand. Keep available at all times a box containing a mixture of pulverized brick, charcoal, old mortar, and mix table salt with it; in a tin pan keep mineral salt; see that the breeders are in no way related; that your lofts are free from drafts and vermin and you will not fail to get satisfactory results as breeders of squabs for market.

Another very queerly treated subject is that of proper ventilation. We have been in lofts where there was a very offensive odor as we opened the door—and pigeon manure, containing as it does a vast percentage of ammonia, gives away the negligence of the owner unless coops are kept decently well cleaned. We

believe in shutting pigeons up quite close at night and if they are kept as clean as they should be, there is no need of freezing them for the sake of ventilating a beastly coop. We admire the cleanliness of every fancier, and we never knew of any drawbacks to overtake the enterprise of a man who in no way shirks what every dumb creature is entitled to, proper attention.—*Farm-Poultry.*

The Runt.

Runts are by far the largest and heaviest race of domestic pigeons. A pair of good Runts will weigh two pounds and a-half or more. The most remarkable point respecting them is their extreme antiquity. Pliny and other Roman writers made frequent mention of them as Campanian pigeons. The English name Runt is probably a corruption of the Italian *Tronfo*. Willoughby calls it "the greater tame pigeon."

Homers as Message Bearers.

The use of Homing pigeons as messengers over land and water is gradually increasing in this country and abroad, due to the practical application of the wonderful homing instinct of these birds. Their great usefulness for the conveying of messages has been demonstrated in a great many ways, especially when no other means of communication are available. The United States Government has recently established messenger pigeon stations at all the principal navy-yards of the Atlantic Coast and at Mare Island, Cal., which were organized as the result of most satisfactory experiments made at the Naval Academy at Annapolis. The various coast line and transatlantic steamship lines now use Homing pigeons to convey messages over water, and the Chamber of Commerce at San Francisco has recently voted the establishment of a messenger pigeon station for service between San Francisco and the Farallone Islands with a view of utilizing Homing pigeons for weather reports and shipping news.

The old fancier who used to fly his birds for pleasure only is now using them for the purpose of conveying news, which is carried by these wonderful birds at the rate of from thirty to fifty miles an hour. Many newspapers use them with great advantage and some of the recent election returns were carried by Homing pigeons. The old way of carrying the message in a quill fastened to the tail-feathers has been vastly improved by the recent invention and patenting of a watertight aluminum message holder, weighing less than eight grains, which can be fastened to the bird's leg in a second instead of several minutes as by the old way. It does not impede the flight of the birds and can-



HOMING PIGEON, SHOWING BAND ON LEG.

not be lost by the dropping of the tail-feathers, as was often the case with the old method. This new message holder is used in the United States Messenger Service and will prove a boon to the racing fancier, who will be saved much worry, time and expense of telegrams by receiving the time of liberation by the bird itself with a certified message from the liberator, which cannot be contested. Again, lost birds can thus be easily identified, as this message holder can be permanently attached to the bird on its record flights. PROF. N. MARION.

They Disband.

Editor The Feather:

At a special meeting of the Empire City Flying Club, held Tuesday, October 27th, it was decided that owing to the peculiar topography of this club's territory the flying was under inequitable conditions and that the fancy's best interests would be served by disbanding and forming several smaller clubs. In consequence of this feeling the club was amicably dissolved with perfect satisfaction to all. By this movement the fancy will have four new large clubs, viz.: the New York and Brooklyn members form one, the Newark members one, the Jersey City members another and the Staten Island members still another. With best wishes to the offspring of "The Old Empire," which has eclipsed the record of all clubs for management for six and a-half years.

Fraternally,

GEO. BROWN, JR.,
Late Secretary.

Their Value.

The value of pigeons, like the value of everything else, is regulated by supply and demand. The supply of good birds has not yet exceeded the demand, proof of which is to be found in the fact that prices of high-class specimens have greatly increased during the last few years.



CONDUCTED BY DR. F. H. KNOWLTON, U. S. NATIONAL MUSEUM.

THE WREN.

A Familiar Little Pet with an Exceedingly Pretty Song.

THE common wren, familiarly called Jenny Wren, holds almost as popular a position as the robin, associated as both are in many a nursery tale, and also through being a Winter resident and a visitor to our gardens during inclement weather. It is lively in its habits, but seldom flies far, keeping principally to the hedgerows or gardens. It has an exceedingly pretty song, of great strength considering the size of the bird, many of its notes resembling those of the canary.

The wren is one of the smallest of birds, being only about four inches in length, and of unpretending plumage unless closely inspected. The head and neck are bright, rusty brown, barred with darker brown; the back reddish-brown, also marked transversely with bars of darker brown; the chin, throat and breast are dusky-gray, tinged with brown towards the belly; from the base of the beak, over the eyes to the back of the ear, runs a narrow streak of dusky-gray; the wings are reddish-brown, each feather barred with darker brown, the outside feathers being lighter; the tail is also reddish-brown, barred in the same manner with darker brown.

The nest of the wren is extremely interesting, being built of a variety of materials, the selection of which is generally determined by the nature of its surroundings. The shape is spherical, having a dome and a small aperture at the side. It is built in a variety of situations. At one time one was found in a cabbage that had run to seed; another overhanging a running stream, only a few inches from the water. Their favorite building site is, however, against the trunk of a tree.

From their merry and lively habits wrens are exceedingly pretty additions to the aviary, where they had better be provided with some small, covered boxes or the shell of a cocoa-nut having a hole cut in it and lined with moss, as these birds are very subject to cold when in confinement, and always huddle up closely together for warmth when roosting.

They should be fed upon nightingales' food, a few small worms, caterpillars, spiders or flies when procurable, together with plenty of ants' eggs.

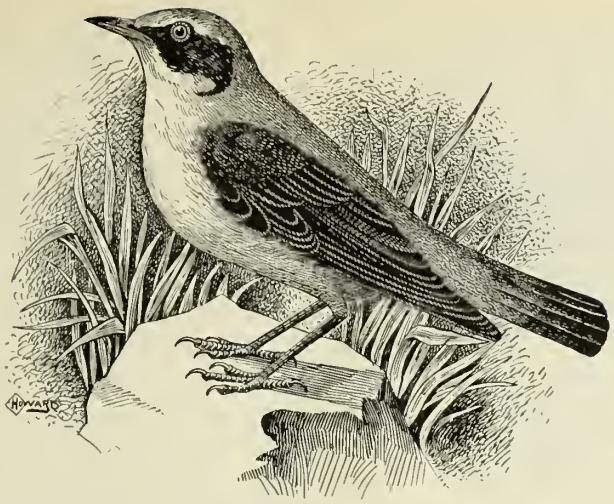
The Wheatear.

The wheatear is a very difficult bird to thoroughly tame if captured when of mature age, and it is, therefore, advisable to rear it from the nest or procure it while quite young. It will, however, thrive in confinement and its song seems to improve with careful attention to food and treatment. It should be kept in a nightingale cage, and must be carefully watched when first captured or it will, perhaps, refuse food and droop and die. After becoming accustomed to artificial food it may be turned out into the aviary, but will seldom sing so well there as in a cage. It has a pleasant song, sometimes interspersed with a peculiar sort of scream, but continued both by day and night in a connected way. It should be provided with a plentiful supply of insects, any kind seeming acceptable, but it is especially partial to beetles and crickets.

The adult male is about six inches in length; the beak is black; from its base to the eyes, and thence to the ear-coverts, runs a band of black, over which is a similarly-shaped streak of white; the forehead is also white; the head, neck and beak are a delicate light gray; the wings are blackish-brown; the upper tail-coverts white; the tail-feathers blackish-brown, those on the outer edge being white toward the roots; the chin, breast, belly and under tail-coverts are pale grayish-white, delicately tinted with rusty-brown, which color increases in depth toward the breast and sides.

The female has the head, neck and back brown, tinged with gray; the wings are dark brown, each feather being deeply fringed with light brown; the band on the cheek is brown, and the stripe over the eye tawny; the whole of the under part is reddish-brown, paler toward the chin and belly; the tail is dark brown, tipped with light brown, all except the two center feathers being white toward the roots.

After the Autumn molt the males greatly resemble the females in plum-



THE WHEATEAR.

age. These birds vary considerably according to their age and the season of the year. In the old birds the gray on the back becomes more decided, the breast whiter and the brown tints deeper in color.

The wheatear should be kept upon the food recommended for the nightingale, not omitting the insects.

In Behalf of Canaries.

Editor The Feather:

The Baltimore Canary Breeding Society was organized last February and now numbers fourteen members. The officers are: President, H. Hellmundt; Secretary, Frederick Dettmar; Treasurer, Christian Bohn. The object of this society is to raise the very best canaries possible in this country, trying to get them equally as good, if not better than the imported birds, as it is very difficult to keep the imported birds long in this country. For this purpose we purchased a dozen of the very best Andreasberg canaries without regard to price and were lucky enough to raise quite a number of young birds which are surprisingly good singers. We care for neither color nor shape and only aim to raise the finest singers. We are very proud of our success and to wake the interest of the public in general we intend to have an exhibition of our birds December 14-18, 1896, in our club-house, 523 West Lexington Street, with free admission. Premiums will be awarded to the owners of the best singers.

The admission fee as member of the club is fifty cents and the monthly dues are twenty-five cents. Every year we have a drawing of fine birds which we buy from different members with the money out of the treasury. Each member in good standing is entitled to a bird. In the near future the society expects to import a number of canary birds which have received prizes for singing. These birds are not to be used for breeding purposes, but are intended as instructors in singing for the young birds.

Our members have voted to make THE FEATHER the official organ of the society and a report of all proceedings will be sent you. Fraternally,

F. DETTMAR, Sec'y.

Baltimore, Md.

From the Orinoco Region.

Mining Engineer Halvorson, who accompanied Dr. Rogers, of Faribault, Minn., on his exploring expedition to the Orinoco River last Spring, has recently returned. He brought with him a large parrot and many curiosities. Mr. Halvorson has specimens of the plumage of a river bird which lives on the savannahs. The plumage brings from $100 to $500 a pound. He has also samples of Venezuelan native bread, which consists of grated cassava root baked in thin wafers. The root is planted each year, grows ten or twelve inches long and four or five inches thick. Much of it is fed to the native poultry and other domestic birds.

A Compliment.

One of the handsomest—or shall we say *the* handsomest—of the exchanges that come to our table is THE FEATHER, published at Washington, D. C. Editor Howard is both fancier and artist, and each issue is illustrated with very interesting sketches of fowls, birds, etc., from his pen.—*The Poultry Tribune.*



A Threatened Extinction.

The wholesale slaughter of feathered creatures for millinery purposes may, unless steps are speedily taken to prevent, threaten the extinction of the entire feathered world.

Indescribable millions of wings, millions of breasts, millions of tail-feathers, millions of birds' heads and millions of uncouth, unreal feathered monstrosities have been prepared for the Fall and Winter millinery to be worn by American women. A few of the feather decorations are startlingly true to nature. Most are hideous combinations, without any resemblance to anything that ever wore feathers.

The most of this merchandise is manufactured in New York City and gives employment to thousands of skilled workmen. To one place boys take hundreds of sparrows daily, which they have trapped alive. It is said these birds must be plucked while alive that their plumage may retain a gloss after being dyed.

The Society for the Prevention of Cruelty to Animals has been interviewed as to the desirability of taking steps to stop this destruction, but, although the society investigates every reported case of cruelty to birds, as yet nothing decisive has been done. Years ago, when the founder of this society was alive, an attempt was made to stop the traffic, but without success.

Women rush to extremes in feathers, and the only hope of reform is that so many women without taste will trim their millinery with monstrous tiaras of plumes and wings that the feather craze will expire from a glorious gorging. If it doesn't die naturally, then, at the present rate of feather consumption, the common barnyard fowl will be unable to keep up with the demand for wings and "bird-of-paradise" plumes.

Domesticated Quail.

On a farm of my brother-in-law, Wm. Yook, at Millersburg, Mercer County, Ill., a Bob-White made its nest in a small bunch of grass against the barn and within a few feet of the door. Although Mr. Yook's family and others passed every day within a few feet of the nest, the quail paid no attention to them, and after hatching out thirteen chicks, they immediately made friends with the chickens about the barn lot, and when I saw them last, appeared to be much at home, though I never could get very near to them.—D. J. Van Meter in September *Osprey*.

A Murderous Woodpecker.

Some time ago I found a Woodpecker's nest with three fully fledged young. On climbing to the nest the young flew, two lighting in a large elm near by. A few minutes later a Red-headed Woodpecker came crawling up the tree and soon spied the young birds. He immediately pounced on one, and with a blow of his sharp beak drove a hole through his skull, letting the brains ooze out. He then served the other the same way. After this murderous feat he hopped about and chattered as though very much delighted.—Frank C. Willard in September *Osprey*.

Chimney Swifts Responsible for Dissemination of Bed-Bugs.

In the September number of the *Nidologist* Mr. Jos. M. Wade records his observations in the following words: "In every case where I have taken the Chimney Swift I have always found it infected with 'bed-bugs;' so much so that they were difficult to clean for preservation. My experience was in and about Rockville, Conn. The birds also, when caught, have bed-bugs on them, and I came to the conclusion that in this way bugs were often taken from one dwelling to another."

His Dates.

Mr. C. A. Ballou, Worcester, Mass., has been engaged to judge at Westerly, R. I., New London and Ansonia, Conn., and expects to judge at Boston.

When writing our advertisers always mention THE FEATHER.

WHO'S SHELLABERGER?

He's the Wire Fence Man, of Atlanta, Ga., and sells the best and cheapest fencing in existence for all purposes. Catalogue free. Write for it.

THE FANCIERS' BUDGET.

Communicated Items Carefully Selected for The Feather's Readers.

New Varieties.

Editor The Feather:

At a recent banquet given by a leading fair association to visiting and exhibiting poultrymen a secretary of one of our most prominent poultry shows publicly remarked that henceforth his association would ignore all varieties not mentioned in the Standard of Perfection; that their show would have no use for such varieties as Buff Laced Indian Games, White or Buff Wonders, Buff Laced Wyandots and the like.

The view this gentleman takes may be very well for the financial interests of his show, but how about benefiting the poultry interests in general? If all our associations should accept this view of the matter it would certainly be taking a long step backward. Suppose this gentleman's ideas had been carried out years ago! How many varieties of improved fowls would we have to-day? Where would be the lordly Brahma and the regal Cochin? We would have nothing to represent the mighty Asiatic Class but the ungainly Shanghai of forty years ago. Where would be our Plymouth Rocks and Wyandots? The two breeds that are America's greatest pride! They would be—*nit.*

Again, who are the most enthusiastic, painstaking and tireless fanciers? Those who have bred up and introduced new and improved varieties. A new breed is not made in a day, nor yet in a year. It takes time, patience and money. Therefore, all efforts in this direction, instead of being frowned upon, should receive every encouragement. It is not necessary that associations should pay cash prizes for new varieties, but they should be welcomed to all shows, and if found deserving should always receive honorable mention. Fraternally,

Lititz, Pa. J. W. BRUCKART.

[The suggestions of Mr. Bruckart, as given above, are worthy of the most serious thought. We cannot cry down new breeds, but must rather uphold them in the interest of the fraternity. This is a progressive age; the things we think so much of now will be relegated to the rear in the days to come to make room for better ones. It is not necessary to pay cash premiums on new varieties, but they can be judged and awards given as merit demands. By all means let new varieties be shown.—ED.]

One Hundred Dollars in Gold.

Editor The Feather:

The Binghamton Poultry Association will hold their third annual exhibition January 4–8, inclusive, 1897. One hundred dollars in gold coin will be given as specials, as follows: $25 for best display of any one variety in the show; $10 each for best display any one variety in the following Classes—Asiatic, American, Mediterranean, Game Bantam, and Bantams other than Game; $10 for best display of any one variety not included in above specials.

A gold watch, valued at $25, and many other specials will be given. The specials are in addition to the liberal regular cash premiums offered by the association, and all exhibitors compete for the specials without extra fee.

Following our custom of last year all premiums will be paid on the last day of the exhibition. The judges already selected are Henry S. Ball, Shrewsbury, Mass., and Hon. James Forsyth, Owego, N. Y.

Premium List will be sent on request.

W. R. ALEXANDER, Sec'y.

Binghamton, N. Y.

Three Queries.

Editor The Feather:

Will you kindly inform me in your next issue of THE FEATHER: 1. If the tips (serrations) of a Single Combed White Leghorn female should turn up or hang down in the same line with the comb? 2. If there are two exhibition pens, one of old and one of young stock, or can old and young stock be placed in the same pen? 3. Can a specimen compete with the flight feathers in one wing missing? Yours Very Truly,

R. B. MCCOY.

Waynesboro, Pa.

1. The comb of a White Leghorn female should be of medium size, drooping to one side and evenly serrated with five or six points, five preferred. The comb should curve gracefully over the head, being highest over center of eye; the serrations should be of the same even curve with the comb, and should not turn up or end in an abrupt curve at point. The illustration

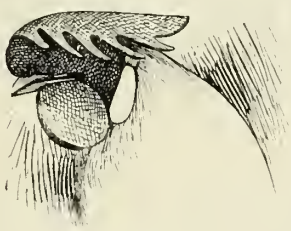


FIG. 1.

Fig. 1, shows a good head. 2. There are not two exhibition pens; old and young stock compete against each other, and the two kinds, old and young, may be placed in the same pen. A cockerel may head a pen of hens or a cock may head a pen of pullets; the females in the same pen may be hens and pullets. 3. A specimen should be debarred from competition with flight feathers missing in either wing.—ED.

The American Owl Club.

Editor The Feather:

If a quorum can be gotten together at the Boston Exclusive Show the above club will hold a meeting there during the show, but in any event the annual meeting will be held in New York, at Madison Square Garden, on January 2,

1897, and it is to be hoped that all members who can possibly attend will make an effort to be present.

The Willetts' diamond-studded gold leg band will be competed for by members at the Boston Exclusive and New York Shows, and must be won twice by the same exhibitor before becoming his property.

The Geo. W. Eckert silver cup will be competed for at the New York Show, also the two cups donated by the club, all of which have been beautifully engraved, with the exception of name of the winner, which will be added later. It becomes highly necessary that all members should try and send as large an entry as possible and thus make it all the more interesting.

Fraternally,
GEORGE FEATHER, Sec'y.

For Birds.

Editor The Feather:

Can you inform me what meal worms are and how propagated? Also, are the ants' eggs given to birds the eggs of the common ant?

Yours Respectfully,
WILL P. CORTHELL.

Rockport, Me

Meal worms are the larvae of the black beetle. They are very cheap and can be purchased from any dealer in birds and supplies. The process of propagation is very simple. Take an old box or jar and place therein a quantity of bran or meal—in fact, any farinaceous meal—a few biscuits or part of a loaf of bread, a few pieces of leather from an old, worn-out boot or shoe, and some woolen rags; then put in the meal worms, say fifty, and cover the opening tightly with a thick cloth. The cloth should be moistened with water occasionally and the worms should not be disturbed. In a short while, four to six months, there will be thousands of worms in the jar. The ants' eggs are those of the European ant. The eggs are gathered in large numbers in Europe, especially in Switzerland, and prepared by a heating process which kills the live germ, but preserves the nutritious value of the egg as an article of diet for all soft billed birds.—ED.

A Correction.

Editor The Feather:

Please correct my article on Cochin Bantams as follows: In regard to the origin of Mr. Groves' White Cochin Bantams, instead of Mr. Groves getting his sports from Buff Cochin Bantam eggs, purchased of Mr. Diehl, they sported from eggs laid by his own Buff Cochin Bantams which he purchased from a lady. His sports were two pullets and he advertised for and bought a male which had likewise sported from Buffs and these birds were the foundation of his strain.

Yours Respectfully,
LOUIS P. GRAHAM.

Philadelphia, Pa.

The Central's Show.

Editor The Feather:

The first annual show of the Central Texas Poultry and Pet Stock Association will be held at Waco, Tex., Jan. 6–8, 1897. Mr. D. M. Owens, of Athens, Tenn., a judge of national reputation, will score the fowls. The poultry business in this section of Texas is yet in its infancy, but our mild and equable climate, taken into consideration with the constantly increasing demand for standard-bred fowls, makes it certain that at no distant day our live and progressive breeders will be up with the foremost and push the leaders.

Yours for success,
L. R. SPARKS, Sec'y.

Waco, Tex.

A Whole Flock.

Editor The Feather:

Would you please inform me through the columns of your paper what breeds or varieties are illustrated in colors in "Biggle's Poultry Book?" I will embrace the opportunity to say THE FEATHER is a broad one, in fact, a whole flock. No more necessary.

Fraternally,
FRED. SCOTT.

Andrews, Ind.

The following varieties are in color plates: Barred Plymouth Rocks; Silver-Laced Wyandots; Light and Dark Brahmas; Buff and Partridge Cochins; Langshans; Single-Comb Brown Leghorns; Silver Polish; Golden Penciled Hamburgs; Houdans; Silver-Gray Dorkings; Indian Games; Golden Sebright, Black-Tailed Japanese, Rose-Comb Black, Black-Breasted Red Game and Buff Cochin Bantams; Bronze Turkeys; Rouen and Muscovy Ducks, and Brown China and Toulouse Geese.

Many thanks for your kind words of praise in our behalf.—ED.

To Make Them Tumble.

Editor The Feather:

Please publish in your next paper a way to make Tumbler pigeons tumble. They have tumbled before. Thanking you for this favor.

Yours Truly,
GEO. D. DOUGLAS.

Barrie, Canada.

We know of no art or science to make Tumblers tumble. That characteristic is a part of their nature and must be born in them; as the eminent authority, Willoughby, says: "They have strange motions, turning themselves backward over their heads, show like footballs in the air." If Tumblers are kept with other pigeons they are apt to lose their power of flight. The reasons are obvious; other pigeons fly in circles or stretch straight out, while Tumblers mount in their flight. Another reason why your birds do not perform may be, perhaps, they are out of condition. A Tumbler must be in good health and spirits to be at its best.—ED.

The San Antonio Show.

Editor The Feather:

The San Antonio Poultry Breeders' Association will hold its second annual show December 9–12, 1896, D. T. Heimlich, judge. Premium Lists now ready.

Yours Fraternally,
LOUIS MACKENSEN, Sec'y.

San Antonio, Tex.

It Is Roup.

Editor The Feather:

Will you kindly help a man who has had bad luck with his pigeons? They begin by sneezing and running at the nose; then the mouth fills with a tough mucous, like the albumen of an egg, streaked with blood, coming from the nose and dropping into the throat. The eyes swell and matterate, and bird refuses to eat; rattles when breathing and finally dies. I have lost about eight Pouters and am nursing five with it. A late pair of Blue Pouters have it now. I wash them out—mouth, eyes and nose—every day with warm water in which a Seilers tablet has been dissolved. My coop is not damp and is clean and whitewashed, and pure water is always used. Disease began during the hot spell in July and is now worse. Young Blue Pouters are not out of nest yet. Bunches grow on some of them in the corner of eyes and on upper bill. Now will you kindly give me some intelligent name and cure for the malady, as I will shortly be without any birds? Yours Respectfully,

Brooklyn, N. Y. J. A. STEWART.

TREATMENT.

The symptoms as above described are plainly those of roup. It frequently attacks the young birds about the time they are able to care for themselves and are going through their first molt. It attacks, however, both old and young and is aggravated by sudden changes in temperature, exposure to drafts, and is highly contagious. Its symptoms are sneezing, a watery discharge from eyes and nostrils and considerable fever. If not attended to at once, in the course of a day or so the discharge from the nostrils thickens, and if the bird is examined the slit in the roof of the mouth will be found filled with a thick jelly-like mucous, sometimes streaked with blood and minute spots of canker. The throat is very much congested and the discharge from the eyes has become thick and sticky. If still neglected the discharge from the nostrils becomes fetid and filled with cheese-like matter, one or the other of the eyes becomes involved (rarely both) and the eye-ball is entirely eaten away and its place filled with this cheesy substance. When it reaches this stage the sufferer might as well be killed. For, while they may recover, they are never afterwards desirable as breeding birds. In your daily visits to your birds should you notice any of them showing symptoms of cold, isolate them at once, put them in a dry warm place and dissolve in water six pillules of Spongia, the well-known homœpathic remedy. This remedy is highly recommended for birds in the first stages of the disease, and good results have been obtained from its use. When the birds have the disease in an advanced state they should be treated as follows: The patient should be placed in a room of equable temperature, kept scrupulously clean by the daily removal of all muculent matter, and treated pretty freely with Epsom salts, the proper dose in a case of this kind being for an ordinary-sized pigeon about as much as will cover a silver quarter. This may be given either in a dry state between the thumb and finger or it may be added to the drinking water. If the latter expedient is resorted to, care should be taken that the vessel is not of tin or galvanized zinc, otherwise disaster may result by the formation of sulphate of zinc from the chemical change that may take place by the free sulphate coming in contact with the metal. Another point of importance is that the drinking water should be lukewarm. The eyes, nostrils and mouth of an affected bird should be washed daily with a solution made by dissolving one dram of carbolic acid in a pint of warm water.—ED.]

Stricken Down.

Editor The Feather:

I regret to inform you that my husband, Mr. A. V. Meersh, was stricken with paralysis Monday, the 16th of November. His doctors express hope that he will recover very shortly.

He was the principal poultry attendant at the Washington Show last season.

Yours Very Truly,

MADAM L. L. MEERSH.

Long Island, N. Y.

We are sorry to learn of this sad affliction to Mr. Meersh and hope his recovery will indeed be in the very near future. We remember his precise work at the last Washington Show and shall miss him very much indeed if his health is not sufficiently recovered to permit him to attend the coming one. He and his family have our most earnest wishes for his complete recovery.—ED.

From the Buckeye State.

Editor The Feather:

The annual exhibition of the Northwestern Ohio Poultry and Pet Stock Company will be held at Tiffin, O., January 27–30, 1897. The officers are T. S. Falkner, President; Peter Ehrbar, Vice-President; James Skeen, Secretary; G. E. Halteman, Treasurer.

Fraternally,

JAMES SKEEN, Sec'y.

Tiffin, Ohio.

Buff Plymouth Rock Club.

Editor The Feather:

The idea of forming a Buff Plymouth Rock Club as the coming great Rochester Show, January 11-16, 1897, has met with general favor. Nearly all the breeders I have written to have answered and are strongly in favor of the proposed club; also, of the time and place to organize. The Rochester Association has allowed us a choice of one of the three following well-known gentlemen as judge of this variety: J. Y. Bicknell, Geo. O. Brown and Sharpe Butterfield. The association has also kindly offered to donate a large and handsome silver cup, valued at $25.00, for competition of club members only. Many breeders have donated specials, and I hope to receive more. Fraternally,

WM. C. DENNY, Sec'y.

Rochester, N. Y.

THE BUSINESS WORLD

As Viewed From the Columns of The Feather.

POULTRY SUPPLIES.

We call our readers' attention to the advertisement of the Harvey Seed Company of Buffalo, N. Y., who advertise poultry and pigeon supplies, such as oyster shell, crushed and ground raw bone, meat meals, tares or vetches, tick beans, millet-seed, Canadian white field peas, hemp-seed, drinking fountains, feeding pans, poultry wire netting, wire hens' nests, earthernware nest pans, Prairie State incubators, green bone cutters, grinding mills and other articles too numerous to mention for use in the poultry-yard and pigeon cote. This is an old established firm and its reputation for reliability and honest dealing is of the best. They are pioneers in putting up cut clover hay ready for use as a poultry food. They began putting it up nine years ago and by diligent, persistent and continuous advertising succeeded in introducing it in most all States of the Union and Canada. They cut up, sacked and sold about fifty tons last season, and have among their customers many who have used it every season since first introduced, among them being the largest poultry breeders and fanciers of their State, well known all over the country, and who order it from them in ton lots. It is put up neatly in burlap sacks, one hundred pounds to the sack, and costs $2.00 per one hundred pounds, free on board cars, Buffalo, N. Y., and at this price is a cheaper feed than any other now used. Send them a post office money order for the amount and they will ship you a sack promptly by freight. They handle all the well-known names of green bone cutters now before the public. Their sales of the Prairie State incubators amounted to over $1,500 worth last season. They issue a very handsome catalogue of sixty pages describing and illustrating the many goods they sell, and we advise all those interested to send for it, as it comes for the asking. In writing please mention THE FEATHER.

HOW TO MAKE POULTRY PAY.

People who keep poultry ought to make every hen on their place pay $1.50 net per year. No matter whether you keep one dozen or one hundred dozen, are they paying you a profit? If not, why not? The demand for "good" poultry and "fresh" eggs always exceeds the supply, and will for years to come. Whether you know about how to make poultry pay or not you ought to take and read a poultry journal, one that is a recognized authority on all matters pertaining to the care and successful keeping of poultry. *Farm-Poultry* is the name of such a journal; it was established in 1889 by I. S. Johnson & Co., of Boston, Mass. They recognized the fact that there was a field for a practical, every-day, useful farm and suburban poultry raising guide, and they attempted to fill the field. How well they have succeeded is told by the growth of this wonderfully attractive, readable and instructive paper. From a small eight-page paper issued once a month it has grown to the present twenty-page journal with cover. The publishers have been compelled to issue the paper semi-monthly, commencing January 1, 1895, so great is the demand for *Farm-Poultry*. The cost is only $1.00 a year. It is edited by practical men who live upon poultry farms and practice daily what they preach. One department alone, "Answers to Correspondents," is worth ten times the subscription price to anyone, and explains many things apt to trouble even old breeders. Send to the publishers as above for a sample copy free and judge for yourself.

"FLOWER QUERIES"

Is the name of a new book just issued by *The Fanciers' Review*, of Chatham, N. Y., being a treatise of practical floriculture, written in the form of questions and answers, about 500 topics being treated. It has to do with the cultivation and care of indoor and outdoor plants and flowers. We know of no other book like it. Let every lover of flowers get a copy. It is a mine of condensed, practical information. The subjects discussed in the ten chapters are "Soil and Cultivation," "Bulbous Plants," "Lilies, Culture and Care," "Roses," "Vines or Climbers," "Shrubs," "Ferns and Palms," "Insects and Diseases," "Miscellaneous Queries," "Floral Hints." The price of the book is but twenty-five cents. Address *The Fanciers' Review*, Lock Box 700, Chatham, N. Y.

A LONG FALL

In the prices of printing, but which will remain there for only a short time, has taken place at the Branday Printing Establishment, Whitney's Point, N. Y. For $1.50 one may get 1,000 packet note heads or 1,000 envelopes. The poultryman's wants in this line are there made a study and anyone who has ever seen any of their work knows this is a grand opportunity to get printed matter. The *Practical Poultryman* is also published at the same place and is one of the best journals of its kind. Practical, newsy and up-to-date, comes twice a month, and only costs fifty cents a year. A free sample copy may be had by addressing *Practical Poultryman*, Whitney's Point, N. Y.



BROWN LEGHORN COCKEREL, "MARS."
Owned by Geo. Cartlidge.

A CONNECTICUT LEGHORN BREEDER.

We present to our readers with this issue a representation, taken from life, of a typical "Single Comb Brown Leghorn" cockerel, bred by Mr. Geo. Cartlidge, of New Britain, Conn., and by him exhibited at Providence, R. I., during the past Winter. At the same exhibition Mr. Cartlidge received first cock, with a score of 95½; first, second and third on cockerel, with scores of 95 and 94½, and first, second, third and fourth on pullets with scores of 94½, 94½, 94, 94, and he has been fully as successful in winning awards wherever his fowls have been shown.

In rehearsing the poultry experience of Mr. Cartlidge, it can be truly said that patience and perseverance, coupled with a strict adherence to the firm resolve to be honest and upright in all his dealings, has placed him in such a position among the leading fanciers of the world as all breeders might envy. Starting many years ago with a determination to stand foremost among the Brown Leghorn fanciers of the country, he has faithfully employed his time and money in furthering this result. Though meeting with many discouragements at the outset, he has within his make-up no such word as fail, and, as the result, for many years past no breeder has met him, in score-card competition, to vanquish him. Situated as his yards are in a retired portion of the busy little city of New Britain, just far enough away to be of easy access to the station and electric lines, and away from the noise and bustle of every-day city life, there the genial George holds sway among his pets, ever ready and willing to entertain such of his friends and patrons as may honor him with their presence. It is indeed a rare treat to one of the fancy to wander among the breeding yards of

Brother Cartlidge, ten in number, and to find therein scores of birds whose points of excellence figure way up in the nineties. Each year brings an increase in the number of orders and sales, and though extra accommodations are constantly being provided for the increased products of his yards, yet it is the same old cry, "I could sell a hundred more if I had them to spare." Each year his breeding yards are carefully selected, every bird being thoroughly examined by an expert judge, and all inferior specimens in any of the particulars that go to make up perfect breeding fowls are discarded. Believing that in square dealing only can a breeder hope for continued success, no fowls are ever shipped from his yards without a guarantee goes with them—"If not as represented or unsatisfactory, ship them back."

This has been the key-note of his success. Would that this spirit of fairness were a component part of the make-up of all our fanciers.

MARCHING TO THE FRONT.

The attention of our readers is called to the advertisement of the Des Moines Incubator Company, appearing in another column.

The Western Garden, of Des Moines, Ia., pays this concern a very high compliment, in part, as follows:

"Indications are plain that the 'Successful' incubator is headed straight for the front and if preference will give way to beautiful appearance and excellent hatching qualities this machine is sure to take a front seat in that rank at a very early date. Every new feature known to be of value to an egg-hatching apparatus, and also several new and important ideas, have been incorporated in the new style 'Successful' and the outlook for its promoters is flattering indeed. The Des Moines Incubator Company is composed of substantial business men in whom our readers can place their entire confidence and feel assured of being dealt with in an honorable business-like manner."

We may add: "If you are in the market for a good incubator, it will pay to send for a copy of their fine catalogue." Address as per box number.

IT IS NOW FAMOUS.

One of the best-known names connected with the poultry fraternity is that of D. J. Lambert, Apponaug, R. I., the manufacturer of the now famous "Death to Lice" powder. For a number of years the name of this powder has been heralded throughout the civilized world as the best known exterminator of lice extant. So general has been the distribution of its fame that no matter where one may go the powder has been there before them. The name has become a household word and there is

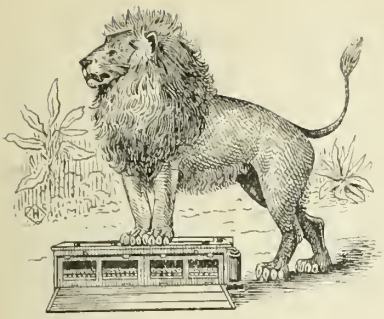


D. J. LAMBERT.

hardly a person who keeps poultry but has felt its beneficial influence in keeping their birds free from vermin. Mr. Lambert's life has been an interesting one in the fancy. He was born in Rhode Island thirty-six years ago, and for the last ten years he has lived at Apponaug, his present address. He has been a fancier of pet stock nearly all his life, but his first hen-house was built in 1876.

During the last ten years he has been incessantly with his feathered pets. By close application to his work he has developed one of the best equipped and most popular poultry farms in all New England. He raises annually hundreds of as good Barred Plymouth Rocks as can be found anywhere. These are his specialties, and he has been partial to them as far back as 1878. Mr. Lambert is an enthusiastic fancier and finds many attractions in the poultry business. He is also an excellent judge of standard poultry and has met with much success in that capacity. His decisions are received with general favor and perfect satisfaction has always followed him in his official capacity as judge. He looks upon judging as pleasure and recreation.

His love and attachment for poultry led him to invent his "Death to Lice" to relieve them of the afflictions and torment of this pest. He began the manufacture of the powder as a side issue. The influence for good was at once felt and it was soon in great demand. Each succeeding year has added to its merits and it goes on increasing in its wonderful work of destruction in the ranks of the greatest pests of poultry and the arch-enemy of poultrymen.



A MONARCH INDEED.

One of the best-known advertisers in our pages is James Rankin, South Easton, Mass. Mr. Rankin is known as the manufacturer of the Monarch incubators and brooders. These machines have been before the public for many years, and only praise for their work as an artificial hatcher has ever been heard by us. They are claimed to be modern machines, and we are quite sure they are all that is claimed for them. Mr. Rankin only makes the best and the best is none too good for those who wish to succeed in the business. A poor machine, one that will not do its work, is the most costly, no matter what its cost may be. The design of the two monarchs is our conception of a trade-mark for Mr. Rankin and his machines. He has never seen it and we can hardly imagine his thoughts when he sees the other monarch so defiantly championing and ready to defend the inanimate monarch that is the instrument through which so many little "peeps" make their entrance into this life, the life of hens and roosters. We fear we have made a mistake in the above; it is not all "hens and roosters" on Mr. Rankin's farm, it is more ducks and drakes than the former. The Maple Farm Duck Yards are advertised as the largest duck yards in America. Over 2,000 breeders are kept and many thousands of ducklings annually spring from the Monarch to satisfy the tastes and fancies of mankind. Those wanting duck eggs and machines to hatch them should write Mr. Rankin.

A VETERAN BREEDER.

One of the most interesting advertisers of Barred Plymouth Rocks in THE FEATHER is the veteran breeder, Joe Farmer, Flushing, Ohio. Mr. Farmer is no novice in the business; he has established his reputation as a breeder after more than twenty years' experience. In these days of enlightened chicken culture experience goes a long way in establishing one's reputation as a practical breeder. He has the experience and his experience has given him the birds. These birds are now offered for sale and those who are in search of good birds after the Barred Rock fashion should write to Mr. Farmer and get his prices before buying elsewhere. He writes under recent date: "I still have over 600 fine young Rocks. I enclose you a few feathers from a cockerel that was hatched last April and weighs six and one-half pounds. This bird goes to a Virginia gentleman and will, I think, render a good account of himself this Winter, if all goes well with him." The feathers of which Mr. Farmer speaks are excellent specimens for evenness of markings and richness of color. We hope to have the pleasure of seeing the cockerel before the season is over.

ITS FIFTH YEAR.

With the December number, 1896, the *American Poultry Advocate* enters upon its fifth year, with a sworn circulation of 12,500 copies or more every month, twenty to twenty-eight large pages each issue, finely illustrated, only twenty-five cents per year, four months trial ten cents, a sixty-four page practical poultry book free to new yearly subscribers, book alone ten cents. Clarence C. DePuy, publisher, 314-320 East Onondaga Street, also publisher of DePuy's popular poultry books, viz: "All About Broilers and Market Poultry Generally," by M. K. Boyer; "Capons and Caponizing," by Geo. Q. Dow; "Money in Hens," by M. K. Boyer; "The Rabbit, How to Select, Breed and Manage, for Pleasure or Profit," by W. N. Richardson. Price of books twenty-five cents each or your choice of any one and the *American Poultry Advocate* one year for only forty cents.

A GOOD SHOWING.

At the County Fair held at Duluth, Minn., Mr. G. Hood Thompson won as follows: White Plymouth Rocks, first on cock, first and second on hens and first on pen; Light Brahmas, first on cock, first and second on hens, first on cockerel, first on pullet and first on pen, first on Bronze Turkeys, first on old Pearl Guineas, first on young Guineas and first on best display with thirty-one heads.

THE PIGEON NEWS.

The *Pigeon News* will publish on January 1st its special holiday number, which will surpass anything ever published in the way of an exclusive pigeon paper. It is to be printed on plate paper, with handsome tinted cover and will be illustrated throughout with new cuts and half-tones. Mr. C. E. Twombly, its proprietor and editor, has promised that the holiday number of the *Pigeon News* shall lay over anything he has yet given his readers, and those who have followed the career of the *Pigeon News* know

what this means. The January 1st issue will complete the second year of the *Pigeon News*. It is a semi-monthly exclusively pigeon paper, published by C. E. Twombly, 199 Devonshire Street, Boston. Subscription price, $1.00 per year; two months on trial, 25 cents; sample copy, free. All who subscribe at once will be able to start with the New Year's holiday number.

JUST PUBLISHED.

The new illustrated catalogue for 1897 of the Reliable Incubator and Brooder Co., Quincy, Ill., has just been published. It is a handsomely gotten-up book of 168 pages and colored lithographed cover. The make-up and typographical effect are of the highest order. The illustrations are carefully made as to detail and accuracy, showing their large work-rooms, machine shops, exhibition-rooms and machines to a nicety. Almost every subject of interest to the poultryman is discussed in its pages, giving valuable information free to all who may wish it. Such a book should be in the hands of everybody who raises poultry and especially those who intend purchasing an incubator or brooder. The book will be sent free on request. Address them as above.

A GOOD NUMBER.

The Christmas number of the *Western Poultry Journal* will be a grand special, greatly enlarged in number of pages replete with illustrations of representative poultry fanciers, their fowls, yards, homes, etc., printed on special half-tone paper, encased in a new and beautiful cover, the front page illuminated by a special design printed from photo-chromatic half-tones representing a joyous Christmas scene, and there will be many extra attractions in its subject matter. E. E. Richards, publisher, Cedar Rapids, Iowa.

THE BEST INCUBATOR.

To those interested in artificial incubation:

For several long years we have told you what incubator to buy. Some of you have taken our advice and to-day are doing a successful broiler business. Others ignored our advice and to-day are looking for the best incubator. Get our Improved Hammonton, 300-egg size, and our ventilating brooder, 300-chick size; both $30.00. Thousands are in use and those who are using them are saying nothing, but sawing wood. We could tell you this a thousand times over, but it costs us considerable to do so. You should be wise enough now to take our advice. Wonderful work is being done on paper and in the show room with a great many incubators, but bear in mind that the Hammonton has made the best broiler farm record of any hatcher made in the place where broilers are most needed and pay best. There are three or four others that are good ones, but all of them cost you more money than the Hammonton, the only low-priced hatcher used on a large scale. Send to-day stamp for testimonials and catalogue to J. A. Chelton, Fairmount, Maryland.

ONE MAN'S SUCCESS.

Mr. W. T. Greene, proprietor of Maple View Stock Farm, Hopkinton, N. H., had wonderful success at the recent Amesbury (Mass.) Show. He made fourteen entries and won twelve prizes. His nine-pound Barred Plymouth Rock cockerel scored 93½ points, pullet 94 points; his Black Minorca cockerel 94 points, pullet 93; his Black Langshan pullet scored 95, hen 94 and cockerel 94. (The latter one was May-hatched and was cut one point on weight.) THE FEATHER congratulates Mr. Greene on his success and we believe our readers will appreciate our mention of the fact, so they will know just the kind of stock he is offering for sale. Our advertisers' successes are ours also.

A TRIO OF FAVORITES.

The well-known breeder and fancier of fine stock, Mr. Wm. Weaver, of this city, is advertising a trio of favorites that will please many. These favorites are the Silver Laced Wyandots, Mongolian Pheasants and Pekin Ducks. There are some rare specimens of these birds in Mr. Weaver's yards, and those desiring standard stock should tell their wants to him and he will no doubt be able to supply them. We were much impressed with the splendid accommodations which Mr. Weaver has for his stock, and spoke of our visit at the time. Everything is in a systematized order and greatest care is taken of the stock kept. See his ad. elsewhere in this issue and write him for his reasonable prices.

TRANSFER OF STOCK.

From the loft of Dr. C. H. A. Meyer, to E. Goecke, of Baltimore, 1 pair of 1896 Bluettes; also, from the loft of H. L. Hayden, to Dr. C. H. A. Meyer, his entire loft of Bloudinettes.

LARGEST IN THE SOUTH.

There are many reasons for buying thoroughbred poultry and eggs for hatching from Riverside Poultry Farm and none against it.

When a man is about to make an investment he usually considers the pros and cons before coming to a final conclusion.

When he wants to invest in a certain breed of thoroughbred poultry he naturally wants the best and for the least money consistent with quality value. Riverside Poultry Farm is the place to buy; why? because they have none but

the best stock, mated practically and scientifically by a competent judge to produce best results. When a purchaser writes them for birds of a certain quality he can always rely upon getting exactly what he wants.

As an evidence of their desire to satisfy their patrons, we quote their guarantee printed on the first page of their catalogue. The guarantee is as follows:

"We have so much confidence in our ability to meet the wants of our customers, knowing our stock to be of the best, we give with every bird sold a guarantee that it shall be as represented by us and to give satisfaction. Any one of our customers, upon the receipt of a purchase, feeling that he has not received his money's worth, or is in any way dissatisfied with his purchase, may return same and his money will be refunded. We ship only good stock and consider it an advertisement for us if our customers are pleased with their purchase. We guarantee every egg fresh and true to name and from the yards we breed from. Infertile eggs replaced without charge to purchaser. We want our customers to have a chick for every egg purchased."

See their ad. elsewhere in this issue and write them for a large illustrated catalogue and price list. Their address is Riverside Poultry Farm, New Berne, North Carolina.

JOHN L. COST
Hagerstown, Md....

—HAS FOR SALE—

40 Light Brahma Cockerels and 20 Pullets

For want of room will sell very reasonable.

REMEMBER- These Brahmas are from the same stock that cleaned the boys up at Washington, D. C., and New York last Winter.

Enclose stamp for prices....

A GOOD SHARE OF THE -:- -:- HONORS CAME HOME WITH

Broodside Poultry Farm's Birds

From Gloucester, Mount Holly, Trenton and Hagerstown.

Barred, White and Buff Plymouth Rocks, White and Buff Wyandots, Black Minorcas, White Holland Turkeys and Pekin Ducks.

In Pekin Ducks I offer you extra fine breeders at $2.00 each, if sold soon. The same birds will be worth from $3.00 to $4.00 each in the Spring.

Exhibition birds that win at right prices.

I guarantee entire satisfaction or return your money.

J. E. STEVENSON,
COLUMBUS, N. J.

---

50 Black Langshan Cockerels and Pullets

FOR SALE AT $2.00 AND $3.00 EACH.

Write quick if you want them.

C. A. BROWN
471 Pleasant St.
Brocton, Mass....

P. S.—Not culls, but the pick of 150 from Hughes' stock direct.
Eggs in season.

White Scotch Fantails.

THE HOLBROOK LOFTS

Can supply these popular and beautiful birds for breeding or exhibition that are right in QUALITY and PRICE.

E. A. HOLBROOK, Winchester, Mass.

Richest Colored Fowls IN AMERICA.

I have some of the richest colored fowls in America, and no purer blood lives. To see them is to love them, if you have an eye for the beautiful. Fowls from $2.00 to $7.00 a pair, in the following-named varieties: Bronze Turkeys, Pekin Ducks, Golden Wyandots, Rose and Single Comb Brown, Black and White Leghorns, Barred and Buff Plymouth Rocks, Buff Cochins, Light Brahmas, Indian and Pit Games, White Faced Black Spanish, S. S. Hamburgs, Hong Kong Geese, White and Black Minorcas, Pearl Guineas and Homing Pigeons. Correspondence solicited and references exchanged when desired.

ISH C. MYERS, Leesburg, Va.

FOR SALE AT A SACRIFICE.

My loft of Record Homers, records from 200 to 500 miles, under National Federation rules and Capital City Flying Club rules. My stock is the best that money could purchase.

HOWARD C. WALL, 412 6th St., N. W.

For particulars, prices, etc., address

SAMUEL WALLACE,
114 D Street, N. W. Washington, D. C.

Remember that the Greeley Roup Cure

Is the FIRST and ONLY remedy ever placed on the market that is a safe, certain and permanent cure in every stage of Roup, Catarrh, Asthma in poultry, pigeons and song birds, and "Going Light" in pigeons. 2. That it is the only remedy ever *tested publicly* in leading shows and endorsed by the societies officially. 3. That it is endorsed by such judges and fanciers as Geo. O. Brown, Abel F. Stevens, Wm. M. Hughes, R. J. Hamilton, D. J. Lambert and F. M. Gilbert and 10,000 others. 4. That it was used exclusively and endorsed at the World's Fair at Chicago in 1893. 5. That a dealer or faucier once selling this remedy cannot *give away* the dozen *so-called cures* in the future. 6. Remember that it is sent *postpaid* for 25 and 50 cents per box or $2.00 and $4.00 per dozen by express at purchaser's expense. Trade terms on application. *Live agents* can coin money. FREDERICK W. BABCOCK, 1517 State St., New Haven, Conn. Prop. Greeley Cholera Cure.

☞Send postal for circulars and treatise on Roup. Mention The Feather.

CLASSIFIED ADVERTISEMENTS

Fully prepaid advertisements of six lines or less inserted under this heading at the following rates:

One time	$ .50
Three times	1.00
Six times	2.00
One year	4.00

PLYMOUTH ROCKS.

PLYMOUTH ROCKS—Barred and White. Hundreds of fine breeding and exhibition birds for sale; bred in line for years from high scoring stock. Also Buff Cochin Bantams. Write for prices on what you want and mention THE FEATHER. F. J. MARSHALL, Sunny Side, Ga.

RIDGELY'S BARRED PLYMOUTH ROCKS are going to the front. They have won wherever shown, and are going to win again. Birds and eggs for sale. JOSEPH PHIPPS, Manager, Towson, Md.

WILSON'S FIRST PRIZE WINNING BUFF PLYMOUTH ROCKS. World's Fair, '93; Troy, N. Y., '94; New York, '95. At the recent New York Show won 1st, 2d and 4th cock; 1st, 3d and 4th hen; 1st and 3d cockerel, and 3d and 5th pullet. Eggs, $5.00 per 13; discount on two or more sittings. J. D. WILSON, Box 127 C, Worcester, N. Y.

BUFF PLYMOUTH ROCKS EXCLUSIVELY Clean sweep at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

THREE FINE BARRED PLYMOUTH ROCK YEARLING COCKS for sale cheap; also, cockerels for sale. Thompson and Bradley Bros.' strains. Barred Plymouth Rock and Buff Cochin eggs for sale in season. J. C. ADAMS & BRO., 66 Cabell St., Lynchburg, Va.

BUFF PLYMOUTH ROCKS, Golden Wyandots, Buff Leghorns exclusively. Send for list of prizes at Boston, Rochester, Scranton, Mt. Gretna, etc. At Newburg, 1896, won ten 1sts, five 2ds, three 3ds. At Hagerstown, Buffs from my yards won 12 awards on 12 entries. CLIFFORD W. BEMAN, Port Dickinson, N. Y.

COCKERELS—Barred Plymouth Rocks (March and April hatched), from good strains, such as Knapp Bros.' and Bradley Bros.' strains; as good as can be had for the price, $1.00 to $1.50 each. B. TRANTER, High Bridge, N. J.

FOR SALE—I have a choice lot of Barred Plymouth Rock cockerels for sale that cannot be beat, for $1.25 to $2.00 apiece. Only one kind and a free range. No inbreeding. Address GEORGE REED, Glen Gardner, N. J.

PROOFS OF BREEDING furnished when desired, showing there are no finer Blue Barred Plymouth Rocks in America than ours; noted for health and vigor gained by range on 1,000-acre farm until matured. Other valuable information sent. BLENHEIM POULTRY YARDS, Ashland, Va.

WHITE PLYMOUTH ROCKS, Partridge Cochins. Winners at 4 Indiana fairs, including Indiana State Fair. Grand exhibition and breeding cockerels and pullets for sale. State your wants and write for prices. Eggs, $2.00 per 13. Satisfaction guaranteed. ALBERT M. BLACK, Greencastle, Ind.

LEGHORNS.

S. C. WHITE LEGHORNS. Have been a breeder of this beautiful variety for twenty years and can sell you the best of breeding in *Choice Show or Stock Birds* at reasonable prices. DR. W. A. GIBSON, Jackson, Mich.

S. C. B. LEGHORNS—Winners at Rochester, Hamburg and Binghamton. Rich color, pure white lobes and true Leghorn shape. A fine lot of youngsters ready for the early shows. Mention The Feather. W. B. GERMAN, Specialist, Dansville, N. Y.

S. C. WHITE AND BUFF—About 75 of those pure white and fine even buff winners at the Frederick Show. Stock from the best strains in the country for sale cheap for quality. Also, a few fine Light Brahmas and S. C. Brown Leghorns. HAMME BROS., Smith's Station, York Co., Pa.

FOR SALE AT A BARGAIN—Eight Brown Leghorn pullets and one cockerel; $5.00 will buy them. Two pullets and one cockerel, Golden Wyandots, at $1.00 each. A few Partridge Cochin cockerels and a few S. Bantams cheap. One St. Bernard puppy, $25.00, or will exchange for chickens. HENRY BUSSA & SON, Creston, Ill.

BRAHMAS.

DR. S. C. MOYER, Lansdale, Pa. Breeds L. Brahmas, B. Cochins, B. P. Rocks and W. and S. Wyandottes. Choice stock for sale.

LIGHT BRAHMAS. STEPHEN SPENCER, Morris Plains, N. J. Originator and breeder of the famous Duke of Morris Strain of Light Brahmas. Eggs $2.00 and $3.00 per sitting. Buff Pekin Bantam eggs, $3.00 per sitting. Buff Cochin eggs, $4.00 per sitting. Light Brahma cockerels, $2.00 to $5.00. When writing for wants mention The Feather.

STOCK FOR SALE! Young and old—R. C. and S. C. Brown Leghorns for sale at $1.00 each; this includes our breeding stock and offspring for this year. Will also sell Light and Dark Brahmas, Buff and Partridge Cochins at reasonable prices. This is our best stock, of which we have more than we care to keep over. Everything guaranteed. MIKADO POULTRY FARM, Charlotte, Mich.

KAUYAHOORA FARM—Light Brahmas of finest quality, choice chicks now ready for delivery. Exhibition and breeding birds at hard-time prices. Write for wants. Can give you bargains for next thirty days. Three pairs White Game Bantams cheap. G. S. MOORE, Trenton Falls, N. Y.

L. H. MORSE, Newark, New York, originator and breeder of the famous Imperial strain of Light Brahmas. Immense in size, typical in shape, grand in color, and profuse middle-toe feathering. Exhibition and breeding birds for sale at all times. Eggs, $3.00 per 13. Satisfaction guaranteed or money refunded. Correspondence solicited.

LIGHT AND DARK BRAHMAS. W. Q. Minturn, Warwick, Orange Co., N. Y. At the great Orange County Fair—Pen Light Brahmas, second; pen chicks, first; hen, second; pullet, second; cockerel, second; pen Dark Brahma fowls, first; pen chicks, first; hen, third; in competition with our best breeders.

COUNTY LINE POULTRY YARDS breed the choicest strains of Light Brahmas, Barred and White Plymouth Rocks, S. C. Brown Leghorns, Mammoth Bronze Turkeys, Toulouse Geese and Rouen Ducks. Stock for sale. Eggs in season. Send for price list, with prizes won. A. G. BARLOW, Millers, N. Y.

LIGHT BRAHMAS, White Plymouth Rocks and White Guineas. A choice lot of cockerels for sale, scoring from 90 to 94 points. Prices from $2.00 to $6.00. Duplicate score cards sent on request. MRS. LIDA DAVIDSON, Box 382, Eureka, Woodford Co., Ill.

PARAGON POULTRY YARDS breed choice Light Brahmas and Buff Cochins from prize winning stock. Eggs for sale in season. Circular free. Mention The Feather. A. J. ZERCHER, Conestoga, Pa.

20 WILLIAMS' AUTOCRAT LIGHT BRAHMA COCKERELS, finely marked, well matured, healthy birds. The price will surprise you. Also breed Pit Games—trio Grists, trio Workorses, Shawlnecks and crosses, old and young for sale. References: Banks here. PERRY CRAWFORD, Bristol, Tenn.

GAMES.

CORNISH INDIAN GAMES that took money premiums on every entry made (5) at the Mt. Gretna (Pa.) Show. I have a fine lot of Games to sell, and can please you. Write for your wants. GEO. SCHRADE, Sykesville, Md.

ADDRESS J. G. B. ERWIN, Erwin, Gordon Co., Ga., breeder of pure blood White and Cornish Indian Games, White Holland and Bronze Turkeys, S. L. Wyandottes, Brown Leghorns, Pekin Ducks and Berkshire Pigs, from registered stock.

FOR SALE.—Indian Game cockerels and pullets. Pure stock. Took first on cockerel at Washington Show last season. Will exhibit this year also. Will select you show birds at $3.00 for cockerels and $2.00 for pullets. E. M. MELLOR, Sykesville, Md.

SINGLE EXPRESS RATES—Games, Heathwoods, Irish, B. B. Reds, Tornadoes, Irish and Mexican Grays and Cornish Indians. Free illustrated circular. Starvation prices. C. D. SMITH, Fort Plain, N. Y.

WYANDOTS.

GOLDEN AND PARTRIDGE—The latest variety of Wyandottes. Place your order early and get in the swim. 200 chicks to select from this Fall. Old and young stock in Golden Wyandottes for sale at all times. Write for circulars and prices, stating wants. GUS. HALTEMAN, Tiffin, O.

S. L. WYANDOTTES—Thoroughbreds only. Fine healthy stock, having free range on 100 acres. Cockerels, $1.00, $2.00 and $3.00; pullets, $1.00 and $2.00. Eggs in season, $1.00 to $2.00 per sitting, according to matings. J. M. HAMBLIN, Highlawn Farm, Vienna, Fairfax Co., Va.

SILVER LACED WYANDOTTES EXCLUSIVELY. None better, few equal. Number of excellent breeding birds from $2.00 upward. A few extra fine exhibition birds; prices on application. Eggs in season, from best matings, $2.00 per 15. Satisfaction assured. THEO. E. F. HOLZHAUSER, Broad River Poultry Yard, Columbia, S. C.

WYANDOTTES WHITE. Stamp this on your memory. None but Standard birds sold. Satisfaction will be given to all. Young stock for sale only. Let your wants be known. Score with every bird. Rocklawn strain, meritorious for its all-around quality. G. A. E. REYNOLDS, Rocklawn Farm, Marlboro, Mass.

FOR SALE—10 White Wyandotte Cockerels direct from John B. Felt's strain. Won 1st on cock, 1st and 2d on hens, 1st on cockerel, 1st on pullet, at Madison Square Garden, New York, February, 1896. Birds are large and fine. Buff Plymouth Rocks, English Red Caps, Black Minorcas, Buff Leghorns. The best of strains. Write your wants. C. E. VASS, Washington, N. J.

BARKER'S SILVER WYANDOTTES won four 1sts and one 2d at Syracuse, and four 1sts and three 2ds at Rochester, 1896. Good breeding cockerels and pullets at $1.00 to $3.00 each. Circular free. ROBT. J. BARKER, 280 Monroe Ave., Rochester, N. Y.

WHITE WYANDOTS EXCLUSIVELY—Winners of highest honors at Trenton, etc. Extra fine single, pairs, trios and breeding pens that must go at once. Write for prices to-day. Great bargains. CHAS. NIXON, Box C, Washington, New Jersey.

COCHINS.

H. A. LOGUE, Hagerstown, Md.—Buff Cochins exclusively. Winners at Mt. Gretna, Pa., Carlisle, Pa., and Hagerstown, Md., 1895 and 1896. At Hagerstown, 1896, with 3 entries, won 1st on pullet, 2d on cock and 2d on pen. Eggs, $2 for 13.

FRANK E. SILLOWAY, Newburyport, Mass. Breeder of choice Partridge Cochins and Light Brahmas. 50 cockerels for sale from my prize winners at Malden and Amesbury; judges, N. A. Knapp and I. K. Felch.

CLOSING OUT SALE—All my Washington, New York and World's Fair prize and breeding Buff and White Cochins, comprising 10 cocks, 75 hens one year old. 4 extra show cocks, price $7.00 to $10.00 each. 200 early hatched chickens, price $2.00 to $5.00 each. R. P. THOMPSON, Patterson, N. Y.

MINORCAS.

EGGS from Washington prize-winning Black Minorcas. Orders are now booked for the Spring egg trade; be sure you are not left. Stock always for sale. Write for prices to P. H. McCORMICK, Bel Air, Harford Co., Md.

WHITE MINORCAS—At Rochester, December, '95, won 1st on pen, 1st on cockerel, 1st and 2d on pullets; at Syracuse, September, '96, won 1st on pen, 1st on cock and hen, 1st on cockerel and pullet. 100 fine chicks for sale. MRS. JAMES OSBORNE, Box O, Fabius, N. Y.

POLISH.

J. W. BRUCKART, Lititz, Pa., White Crested Black, Plain, Golden and Buff Laced Polish. Highest honors at Mt. Gretna, Allentown and Hagerstown this Fall. At Hagerstown I won seven 1sts and three 2ds, on ten entries; also, the Special for best pair of Polish in the Show. Stock for sale. Eggs in season.

POLISH—S. F. Gulliford, Akron, Ohio., "The home of the Polish fowl," White Crested Black, Bearded Golden, Bearded Silver and Bearded Buff Laced Polish. For the last twelve years my Polish have stood without a rival at our greatest exhibitions.

LANGSHANS.

MRS. J. J. HAYSLIP, Bartlett, Tex., breeder of high-class prize-winning Black Langshans. Eggs in season, $2.00 per 13. Price of fowls, a matter of correspondence. My birds are from the well-known breeders, Wm. M. Hughes, Albert Lemen and Mrs. M. A. Smith, mated for the best results by H. B. Savage.

MAPLE VIEW FARM, Hopkinton, N. H.—Headquarters in New Hampshire for Black Langshans, Black Minorcas, Barred Plymouth Rocks, the three leading varieties of the world. My stock is equalled by few and excelled by none. Enclose stamp for circular. W. T. GREENE.

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MAYO'S SILVER SPANGLED HAMBURGS. Winners in 1896 at Mt. Gretna, Newburg, Allentown, Trenton, Bloomsburg and Hagerstown four years in succession and wherever shown. Eggs and stock for sale at all times. Send stamp for circular to JAMES MAYO, Black Diamond City Poultry Yards, Pittston, Pa.

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SPANISH—White Faced Black Spanish a specialty 33 years. One kind only, at full range; hence they are bright and eggs will hatch. Fowls, $2.00 to $5.00 each. Eggs, $1.75 per 12; $3.00 per 24. Circular free. Mention The Feather. JOHN BENNETT, Box 119, Sunman, Ind.

BANTAMS.

SILVER SEBRIGHT BANTAMS—For sale, exhibition birds and breeders in pairs or single. Finer this year than ever. Bred from winners at World's Fair, New York and other leading shows. Write for prices and say what you want. Mention The Feather. A. C. TREICHLER, M. D., Elizabethtown, Pa.

FANCY PIGEONS.

BOLINE LOFTS—Theo. Warner, 324 West Baltimore Street, Baltimore, Md., breeder and importer of Blondinettes and Rosewing Tumblers. About seventy of above varieties for sale, all from imported stock.

HOMERS—Speedy and reliable. Hearty breeders, properly mated for producing record flyers, prompt message carriers or profitable squab breeding. $1 and $2 a pair. Book on Breeding and Training Homers, 25 cents. Descriptive Circulars sent without stamp, free to all. F. L. HOOPER, Station D, Baltimore, Md.

HOMERS—Anyone wishing speedy and reliable racing birds will do well to try my stock. Properly handled they will prove all claimed for them. Will sell *T* banded birds for $1.00 per pair. Send stamp for reply. THE SOUTHERN LOFTS, 626 E Street, N. W., Washington, D. C.

TIPPLERS, Tumblers, Homers, from $1.00 to $5.00 each, according to quality. Show birds for sale that can win in any competition, at reasonable prices, in Bays, Saddles, Solid and Rosewing. Runts, $10.00 per pair. Must be sold, as my time is taken up making bands. THOS. WILLETTS, 180 Lawrence St., Lowell, Mass.

MAGPIES AND ARCHANGELS. Young birds for sale bred from winners at the largest shows ever held in America or England. If you want the best tried blood for stock birds in Magpies or Archangels write. Prices to suit wants. DR. W. A. GIBSON, Jackson, Mich.

JACOBINS in Whites and Yellows. My birds are close in feather, elegant in color, and with magnificent feathering. I guarantee the fullest satisfaction to all. In writing describe your wants. A. H. HARRIMAN, Laconia, N. H.

HOMERS—Youngsters for sale. Fine breeders, with records from 100 to 535 miles. Youngsters from these breeders made for me 137.03 miles in 132 minutes. Imported and Taylor stock. Prices right. S. A. HOWLAND, Granville, N. Y.

JOHN LOEFFLER, breeder and fancier of fine Satinettes, Bluettes, Black Wing Turbits and Oriental Turbits, has for sale a very fine lot of the above stock. They are bred direct from imported and prize-winning birds. These birds must be sold at once for want of room. I will sell very cheap in pairs, single birds or the entire lot. Write for wants. 1504 Harford Avenue, Baltimore, Md.

TURKEYS.

50 HEAD of standard-bred Mammoth Bronze Turkeys and Toulouse Geese. Great size, good color. Pairs, $6.00; trios, $8.00. They are sure to please you. Don't fail to send your order to-day. Catalogue. M. V. CALDWELL, Elkton, Ohio.

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FOR SALE—I have for sale 200 Pekin Ducks from first premium stock; Barred Rocks and White Wyandot cockerels from I. K. Felch's yards; 3 Buff Cochin cockerels from Theo. Sternberg's yards. MRS. CHAS. JONES, Pawpaw, Illinois.

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ENGLISH LOP-EARED RABBITS, choice youngsters, also breeding stock for sale. Prices low. Write for wants. Stamp for reply. RICHARD VIDLER, 116 Delhi Street, Syracuse, N. Y.

MISCELLANEOUS.

DR. WILLIAM Y. FOX, Taunton, Mass., has for sale Black and White Cochin Bantams—as good as the best. See their record at Boston and Providence last Winter.

20 PAGE CATALOGUE FREE, or send six cents in stamps this month for the catalogue and Practical Poultry Keeper, 64 pages, cheapest book ever published. Every one interested in poultry should have this book. Oak Park Poultry Yards, Platteville, Wis.

VIGOROUS COCKERELS—La Fleche—for sale at $5.00 each, from Mill Neck Poultry Yards, Mill Neck, Long Island, N. Y., also Colored Dorkings, $3.00 to $5.00; S. P. and G. S. Hamburgs, $3.00 to $5.00; Blue Langshans, $4.00; White Polish, $3.00; R. C. Black Bantams, $3.00; Gray Call Ducks, pairs, $3.00.

WINNERS of 1896 at New Jersey State Fair, Bethlehem, Mt. Holly, Trenton and Danbury (Conn.). I am not situated so I can keep them and will sell the following at half price: White, Colored and Sandwich Muscovy, White Crested and Aylesbury Ducks, African Geese, White American Dominiques, Black Leghorns, Black Hamburgs, R. C. White Leghorns, Silver Bearded Polish, Leghorn Bantams. All kinds of pet stock and pigeons. PRALL DILTS, Jamesburg, Middlesex Co., N. J.

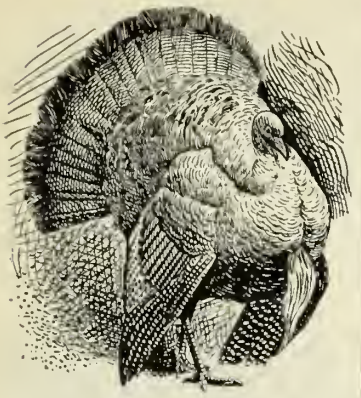
HOMER CITY POULTRY FARM breeds choice strains of B. Langshans, B. P. Rocks, S. Laced and White Wyandots, S. C. Brown, R. C. Brown, S. C. White and Buff Leghorns, Black and White Minorcas, S. S. Hamburgs and Blue Andalusians. Some choice cocks and cockerels for sale. Eggs for hatching at $1.50 for 15; two or more sittings, $1.00 each. Orders booked now for Spring hatching. C. W. TUCK, Homer City, Pa.

HILL TOP POULTRY FARM—W. L. Swett, St. Johnsbury, Vt., 25 years a breeder, now offers Light Brahmas, Barred and White Plymouth Rocks, Indian Games, Black Minorcas, Black Sumatras, Buff Leghorns, Rose Comb White Leghorns, Silver Spangled Hamburgs, White Dorkings, 6 Golden Polish hens, 4 Silver Bearded Polish hens, Bronze Turkeys, Belgian Hares. Write for what you want.

ANTI-FREEZING DRINKING FOUNTAINS. Just out and brand new. Absolutely fireproof. Keep water from freezing, no matter how cold. Lamp has non-explosive burner. All parts of fountain easily cleaned. Send for circular. Mention The Feather. J. T. RHODES, Leechburg, Pa.

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BUFF COCHINS exclusively for 18 years. Geo. Ball, 24 Milton Ave., Rahway, N. J. Eggs $2 per 13



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LAND and WATER FOWLS

We breed: Mammoth Bronze Turkeys, White Holland Turkeys, Barred Plymouth Rocks, Buff Plymouth Rocks, White Plymouth Rocks Indian Games, Imperial Pekin Ducks, Wild Black Ducks, Pure Mallard Ducks, Decoy Ducks.

Eggs for sale in season.
Birds for sale at all times.
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J. F. CRANGLE,
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MINICH'S DARK BRAHMAS ARE HOT STUFF

LOOK UP OUR RECORD AT ALL THE BIG SHOWS.

At Mt. Gretna, Pa., 1896, we won on our Darks 2d Cock, 1st Cockerel, 1st and 2d Hens, 1st Pullet, 1st Pen. Gold special for best five Brahmas in the show, any variety. Look up our winnings at Newburg, N. Y., and Hagerstown, Md.

We breed Red Caps, Houdans, Indian Games, Partridge Cochins, Golden Wyandottes, S. S. Hamburgs, Golden P. Hamburgs. Eggs $2.00 per 15. Have a few Dark Brahma Cockerels and Pullets for sale; will win in any show.

L. B. MINICH & SON, Carlisle, Pa.

GREEN BANK POULTRY YARDS

CHAS. C. TOWNSEND, Prop., Cheyney, Pa.

BREEDER OF

Brahmas, Cochins and Wyandottes of all varieties
White and Barred Plymouth Rocks
American Dominiques and Black Javas

Write for prices and circulars. Satisfaction guaranteed.
Stock always for sale. Eggs in season.

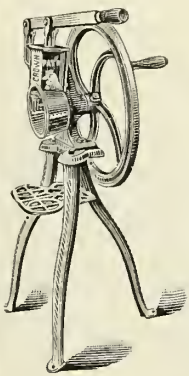
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MINORCAS
JAVAS
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MY matings will produce a large share of show birds; can't help it. My knowledge of the breeds and experience in mating for best results is always a safe guarantee to customers. Always remember Bicknell's Band is the best ever made. Send for prices.

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The "Daisy" Bone Cutters

The Best in the World.

"Gem" Clover Cutter. The $5 Shell and Corn Mill, Farm Feed Mills, Powder Mills.

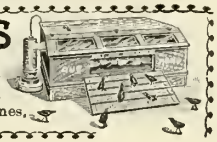
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We also send matter advertising LEE'S LICE KILLER, for lice, mites, fleas, etc.; on poultry, stock, etc.; also, GERMOZONE, the new odorless and non-poisonous disinfectant and microbe destroyer. It removes all odors by destroying the cause and absolutely prevents contagion. L. L. K. is being sold by 1,000 agents in all parts of the country, from Maine to California, from Dakota to Louisiana.

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Season of 1896.

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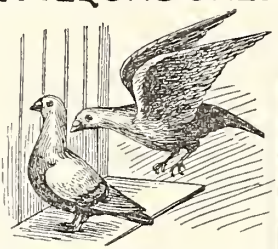
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I am booking orders now for my surplus young of March, April, May and June hatch—none later. Supply limited, and none need apply unless prepared to pay from $2.50 to $5.00 per bird.

Trained young and surplus breeding stock for sale in September and October of each year.

DO YOU WANT



A cockerel or pair of March-hatched Plymouth Rock chicks to win at the Fall Fairs? I can please you; twenty years a breeder. Circular free.

JOE FARMER, FLUSHING, OHIO.

THE LIFE SAVING STATION!



If you want a Descriptive Circular, your address on a postal card will bring one.

1049 E. Market St. **F. H. WEEKS, Akron, O.**

Hill's S. C. Brown Leghorns

Were winners at Rochester, Meridian, Northampton and Troy.

A fine lot of early hatched chicks, for the Fall shows, that are large in size, fine in combs, and grandly striped in hackles and *saddles*.

Prices reasonable. Satisfaction guaranteed or money promptly refunded.

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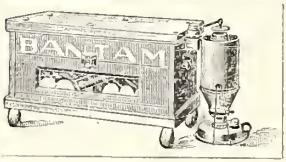
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NEW BRITAIN, CONN.



50 Egg Incubator, $5.00.

Self regulating, hot water, and guaranteed to hatch every fertile egg.

100-egg Invincible Hatcher, $10.00; has a world wide reputation.

Buckeye Hatcher, NOT ONE CENT until you are satisfied.

Brooders, best on earth, indoor and outdoor, from $3.00 up.



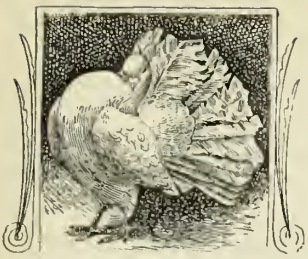
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Bantam (50-egg) and 75 Chick Brooder, $8.00.

Invincible Hatcher (100-egg) and 150 Chick Brooder, $15.00.

Send 4 cents in stamps for No. 108 catalogue, worth $1.00, describing all our goods.

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Well marked and stylish Saddle-backs, Blacks, Reds, and Yellows. Also Tail-marked in Yellows, Reds and Blacks. Beautiful, stylish Fans in Whites and Blacks, Smooth and Crested, Plain and Booted. From the raising of young my loft is too full, so I propose selling some good birds to reduce it.

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In all Colors and Varieties.

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BLACK MINORCAS

From my yards have proven prize winners at the leading shows of the land. **GRAND STOCK FROM MY IMPORTED "ROYAL."**

F. H. WOOD, Importer and Breeder, Dryden, N. Y.

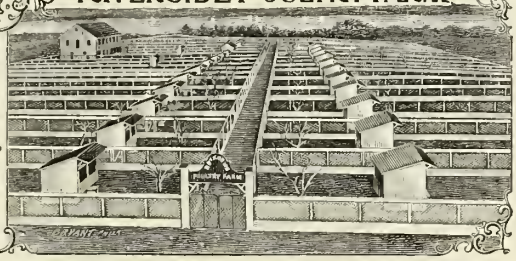
MR. F. H. WOOD, Dryden, N. Y. RIVERSIDE, CAL., Oct. 16, 1896.

DEAR SIR: The chicks arrived yesterday and came in first-class condition in every way, showing no effects of the trip so far as I can see. I think you fully understand shipping fowls. I am very much pleased with them and do not see how they could be improved upon, only as they grow older and more fully developed. Thanking you for the care and promptness you have shown in the deal, I remain, Yours Respectfully, E. F. KINGMAN.

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BREEDERS OF

Silver and White Wyandotts,
Buff and Partridge Cochins,
Indian Games,
Light Brahmas,
Black Langshans,
Pekin Ducks,
S. C. Br. and S. C. Wh. Leghorns,
Barred and White P. Rocks,
B. B. R. Game Bantams,
Pekin Bantams,
Black Minorcas,
Pheasants.



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DO YOU WANT BIRDS TO WIN?

We can furnish you birds that will win at any show, and at moderate prices. Write us for particulars. All stock sold by us guaranteed to be as represented. Eggs, $2.00 per sitting. Send stamp for illustrated catalogue and show record. Address

RIVERSIDE POULTRY FARM, BOX 26, NEW BERNE, N. C.

BARRED PLYMOUTH ROCKS

This space will be used during the coming year to inform the public of the class of Barred Plymouth Rocks I breed. Watch it closely and learn what premiums I win this Fall and Winter.

Eggs and stock for sale from correctly bred and mated birds.

About 100 early hatched cockerels, from $2.00 to $10.00 each. Bred from National VIII. First at Medina (O.) Show. Score, 93, by H. A. Bridge; or from a fine light cockerel, sired by a son of a 95-point hen; or from a $15.00 cockerel from A. C. Hawkins.

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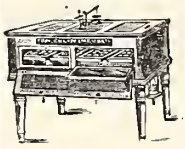
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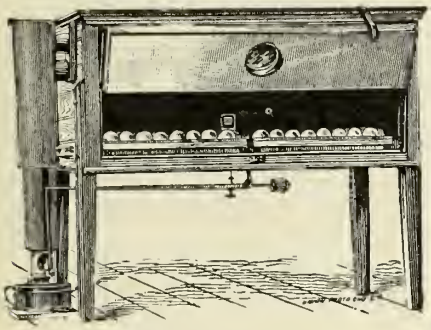
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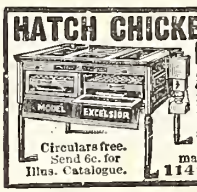
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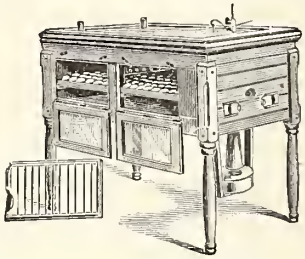


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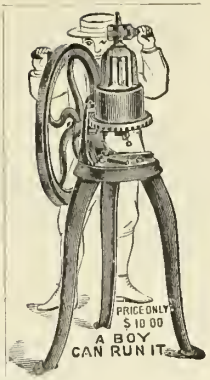


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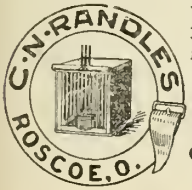
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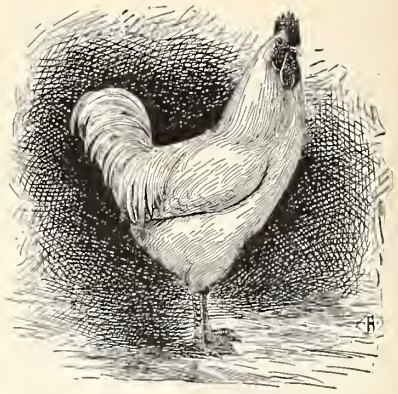
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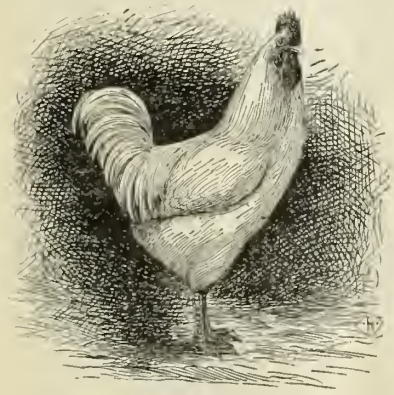
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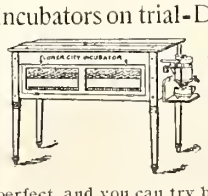
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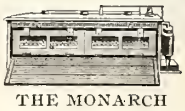
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Single Comb Black Minorcas Exclusively



At Rockville, Md., September 1-4, 1896, my birds made a clean sweep. At the Great Hagerstown Show, October 20-23, 1896, I made only one entry and won on that, taking 1st on Pen.

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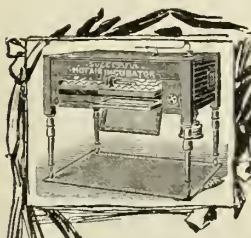
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TO CROW LOUD AND LONG

At West Chester, Pa., 1896, P. H. Scudder, judge, we won 1st on cock, tied for 2d on cock, 1st on hen, 1st on cockerel, 1st and 4th on pullets, 1st on breeding pen, and $15.00 gold special for finest display in American Class.
At Hagerstown, 1895, we won 1st on cockerel.
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All the above shows were strong Rock exhibits. Two-cent stamp for reply.

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SUCCESSFUL INCUBATOR

The Latest Product of Incubator Art.

There are no long, tedious night watches with this machine. It has a **regulator that regulates.** Generates its own humidity or moisture. No **sprinkling eggs with hot water** or **laying on of damp cloths.** Hatches every egg that **can be hatched.** All about this machine and history of artificial incubation in our **new catalogue**—

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WHITE PLYMOUTH ROCKS
WHITE WYANDOTTES



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A Nice Nest

For hens to lay in, dry sawdust and a handful of **Lambert's Death to Lice.** It keeps the layers clean and comfortable. The roosters only will need dusting. Trial size 10c; 100 ounces by express $1.00. Book free.

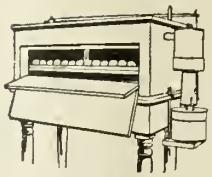
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Light Brahmas, Barred, White and Buff Plymouth Rocks, Indian Games, B. B. Red Games, Black Sumatras, Buff Wyandots, Buff Leghorns, Black Minorcas, White Dorkings, Bronze Turkeys and Belgian Hares. Prices reasonable. 25 years a breeder of nearly all varieties. Write for what you want.



New MAMMOTH POULTRY GUIDE for 1897

Something entirely new; almost 100 pages containing a lithograph plate of fowls in their natural colors and 150 other new illustrations; gives new plans for poultry houses; sure remedies and recipes for all diseases, and how to make Poultry and Gardening pay; sent postpaid for only 15 cents.

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BARRED PLYMOUTH ROCKS

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At Bel Air, Md.—1st and 2d pair fowls, 1st and 2d pair chicks, and special Baltimore Sun for best pen.

At Hagerstown, Md.—1st hen, 2d and 5th cocks and 4th cockerel.

At West Chester, Pa.—2d hen, 2d cockerel, 3d pen and $10.00 special.

At Reading, Pa.—1st cockerel, 2d hen, 1st and 5th pens.

Eggs for sale from correctly-mated birds after February 1st. I have five pens this season. Eggs from Nos. 1, 2 and 3, $3.00 per 13; from Nos. 4 and 5, $2.00 per 13.

For sale quick—Cockerel, 1st at Reading and 2d at West Chester, $10.00; cockerel, 1st at Rockville and Bel Air, 4th at Hagerstown and head of 1st pen at Reading, $8.00; cockerel, head of special premium pen at Bel Air, $5.00; about one dozen other well-marked cockerels, if taken at once, at $2.00 each to make room for breeding pens.

VALLIE HAWKINS, M. D.
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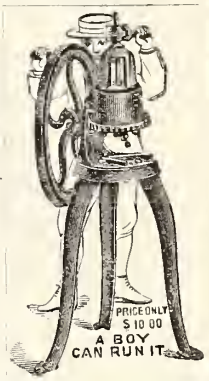


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GREEN BONE
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We are Winners of
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Thousands in use. They always please. With a dozen hens it will pay you to get one. PRICES, $5, $7, $10 and upwards.

LARGEST FACTORY. SPECIAL MACHINERY. ORIGINAL INVENTORS.

Every Machine Warranted.

We send them C. O. D. or ON TRIAL.

Try it before you pay for it. Catalogue Free if you mention The Feather.

F. W. MANN CO. - MILFORD, MASS.

IT IS A SINGULAR FACT

That vermin increases with civilization. By vermin we mean rats, roaches, flies, mosquitoes, moths, spiders, mice, lizards, beetles, lice, mites, aphides, curculios, caterpillars, tree borers, slugs, weavils, chinch bugs, army worms, mealy and scaley bugs, ticks, fleas, bedbugs, etc., etc. The antiquated method of combatting the attacks of the vermin, the increased food supply and the facilities for transporting them from one part of the country to another are responsible for the vast increase of noxious insects and vermin.

IF YOU HAVE A DOG, a cat, poultry or pigeons, horses, cattle or other stock, house plants, vegetables or flower garden, orchard or farm, or if you are troubled with vermin in or about the house, you need our book on "Vermin and Vermin Exterminators." It gives the latest and most approved methods of dealing with the above problems; is full of recipes and valuable information. We will send it free to all readers of The Feather who mention that journal and enclose a 2-cent stamp for postage. We will also send free printed matter advertising our specialties, Insecticides and Disinfectants.

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Underwood Poultry Yards,

H. S. REED, Proprietor, Wall, Ind.

WHITE PLYMOUTH ROCKS

Have a few choice cockerels at $1.00 and up. Stock first-class and guaranteed as represented or money refunded.

Orders for eggs booked now at $1.00 per 13. Write describing wants.

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Orders booked now

for eggs from superb Barred Plymouth Rocks, $1.00 per 13; Black Minorcas, $1.00 per 13; Indian Games, $1.50 per 13.

SATISFACTION GUANANTEED.

Stock for sale in Barred Plymouth Rocks and Minorcas. One trio of S. C. Brown Leghorns for sale, $5.00 if taken at once. Extra fine birds. Address

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CEDAR HILL POULTRY FARM

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Some fine surplus cockerels of first-named breeds for sale low.

R. S. COLE, HARMANS, MD.



Do you keep a DOG?

Send for free pamphlet on feeding, treatment, etc., and catalogue of foods, etc.

To SPRATT'S PATENT Ltd
239 E. 56th St., New York.

THE DOG: Dog Cakes, Puppy Cakes Pet Dog Cakes, Cod Liver Oil Cakes, Greyhound Cakes, Pepsinated Puppy Meal, Dog Medicines and Soap, Chains, Collars, Food Dishes, etc.

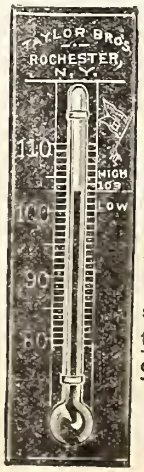
POULTRY: Poultry Food, Bantam Food, Chick Food, Game Food, Granulated Crissel, Ground Beef, Bone Meals (various), Oyster Shell, Poultry Medicines and Soap.

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— I HAVE —

The finest lot of pigs that I ever had. Have an extra bunch of sow pigs that will be sold reasonable. Boars nearly all gone but have a very few choice ones yet that will do to head anybody's herd. Those wanting first-class stock will please write for prices. Satisfaction guaranteed. Also B. P. Rock eggs, $1.00 per 13.



THE BEST INCUBATOR

often fails in its purpose because of inaccurate regulation of heat. For 15 years we have made a specialty of incubator thermometers that are unexcelled for accuracy and sensitiveness. A guaranteed thermometer sent by express, prepaid, for 75c.

Taylor Brothers Company,
NO 35 HILL ST.,
ROCHESTER, N. Y.

The Feather

VOL. II. NO. 4. WASHINGTON, D. C., JANUARY, 1897. FIVE CENTS.

THE WASHINGTON SHOW.

Second International Exhibit of Fine Stock a Grand Success.

A BETTER quality of birds could not be expected than those exhibited at the Second Grand International Exhibition of the National Poultry and Pigeon Association. The coops were filled with many New York prize winners, as well as winners at other prominent shows, and the contests in nearly every case were strong; especially so in the Langshans, Light Brahmas and Plymouth Rocks.

The judges, Philander Williams, Henry S. Ball, Charles McClave, P. H. Scudder, W. J. Stanton, and Samuel E. Rabbitt found it no easy task to determine where the laurels should be placed, and in deciding in some cases it was found necessary to get down to such points and defects as ordinarily would have been overlooked.

The large number of special premiums had a tendency to bring out far better specimens, and far more prominent yards than would have been seen without. The features were many. In the center of the main hall, Edw. S. Schmid's pyramid of cages attracted much attention. The lower row of cages was devoted to water fowls; upon these was a layer of cages containing a number of breeds, then came a layer of cages of pigeons, then cage birds, with a large cage on top of those containing cockatoos and parrots. On the very top of the pyramid was a stuffed young ostrich, one of the two hatched in the Prairie State incubator some time ago, of which a full account was given in THE FEATHER. Opposite this pyramid, the Long View Poultry Yards, of Hyattsville, Md., Geo. G. Harley in charge, gave an excellent display of broilers, showing in the first cage eggs ready for hatching, then chicks three and five days old, followed by those of one, two, three and nine weeks old up until broiler size, reached in two months. These chicks were all alive, with the exception of two pairs of dressed broilers which showed how they must be prepared for market. Mr. Harley, the manager of this farm, showed his ability in running the chick from the egg to the broiler in the very best manner, and many favorable comments were made about the display.

On Saturday evening, the last day of the show, the National Poultry and Pigeon Association presented to Mr. Harley a handsome gold medal for his display. The presentation speech was made by Mr. George E. Howard, secretary, in the presence of a large number of exhibitors and visitors. The response of Mr. Harley was very pretty and showed his deep appreciation of the gift. The inscription on the medal was for the most "Practical and Meritorious Exhibit of 1897."

From this display the inquiring visitor was directed to the incubator and poultry supply rooms, where incubators were in full blast, and chicks were being hovered by the "wooden mothers." The largest display in this line was made by the Prairie State Company, of Homer City, Pa., they having some nineteen incubators on exhibition, a number of which were turning out the chick at a lively rate. Mr. Cooper was on hand explaining all the mysteries of hatching, as well as to show how the hundreds of chicks he had in the brooders were kept warm and fed.

The Pineland Incubator Company, of Jamesburg, N. J., had the next largest display, Mr. Paxson, senior member of the firm, and Mr. Davenport, were in charge. They, too, made excellent hatches, and showed their brooding systems to the best advantage. Mr. Davenport is an old-timer, and ma e quite a record in artificial methods.

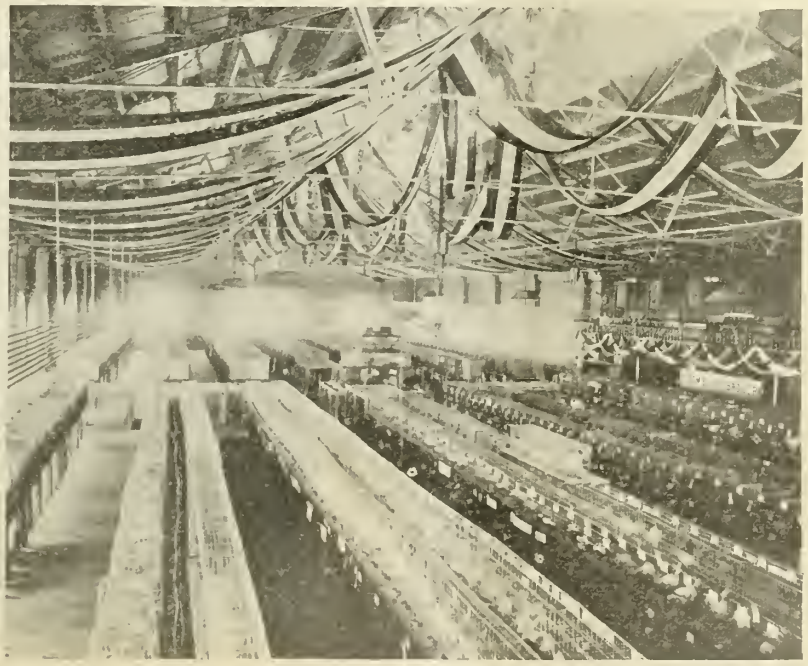
The Homer City Incubator, of Blairsville, Pa., and the Columbia, of Washington, D. C., gave creditable showings. Both these machines are good ones, but have not been on the market so long as the two first mentioned.

The H. O. Company, of New York, made a splendid display of their foods. This firm is running a line of goods that are proving takers with breeders generally. Their food for poultry is meeting with unbounded success and their large sales during the last few months is evidence of its growing popularity. It is no medicine, but a pure, wholesome food that will raise a chick from shell to maturity with splendid results. It is a well-balanced ration.

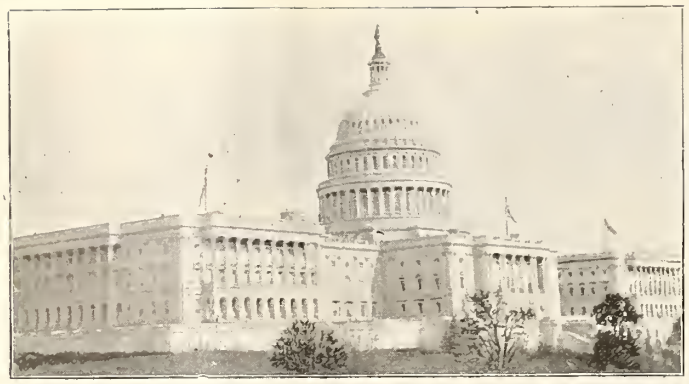
The exhibit of the Bradley Fertilizer Company, Boston, was one of the most interesting of exhibits. Their line of goods is known for their value to the industry. Their meat meal is calculated to increase egg production, making the profitable side of poultry keeping an assured fact. This booth was an interesting one and a novelty in this section.

The exhibit of Messrs. F. W. Bird & Son was another feature of the show. Their "Neponset" roofing was almost an unknown quantity here until now. The more expensive roofing of shingles, slate and tin have been generally used hereabouts, but it is reasonable to suppose that "Neponset" will be more generally seen on our hen houses and pigeon coops.

The Hoff patent coop for raising young poultry was also another attraction. This coop is destined to become a factor in successful poultry raising. It is practical, sensible and of untold value to those who raise chickens with hens. Dr. Stewart made a practica



INTERIOR EXHIBITION HALL, WASHINGTON, D. C.



THE CAPITOL.

demonstration of his chicken-feeding machine. This machine is a new invention and is designed as a great labor-saving device for feeding poultry. There are many practical ideas connected with it and many favorable comments were expressed on its practical merits.

THE FEATHER booth was in the main exhibition hall, near the entrance. It was handsomely decorated with red, white and blue bunting and other appropriate designs. The business done on this occasion was certainly gratifying.

Farm-Poultry, Boston, Mass., was represented by Michael K. Boyer, better known as "Uncle Mike." He had his hands full in getting up his report, receiving congratulations, making friends, and answering market poultry questions that seemed to be flung at him from all sides. The good which he did at the show should certainly meet with a telling business effect.

H. F. Beevy, the editor of the *Inter-State Poultryman*, Tiffin, Ohio, was a business hustler, and so were representatives of the *American Fancier*, Johnstown, N. Y., *Practical Poultryman*, of Whitney's Point, N.Y., and *American Stock-Keeper*, Boston, Mass.

There were a number of well-known exhibitors present, everybody seemed in touch with the occasion and full enjoyment reigned supreme. One of the best-known was John Glasgow, Mahwah, N. J., representing Havemeyer Bros. He made an elegant display of pigeons and bantams, winning a large share of the honors and some specials of worth.

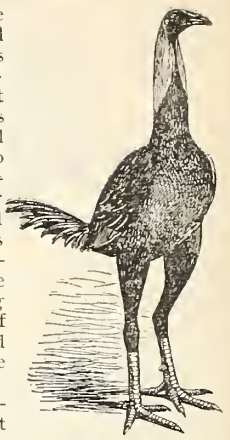
A. E. Warner, of Lincoln, Va., enjoyed the show and felt very well satisfied indeed over his winnings. Mr. Warner is considered the silver-tongued orator of the poultry fraternity. His winnings here have placed him foremost in the ranks of breeders, and we are pleased at the successes he has attained. He made many sales during the show, amounting to hundreds of dollars, beside taking back home with him many orders.

Another of the enterprising and thorough-going fanciers was Chas. F. Newman, the Pekin duck raiser of Staten Island, N. Y. Mr. Newman made many friends by his attendance and his business was increased wonderfully during the show. He breeds, besides Pekin ducks, Toulouse geese and a taking strain of Pit Games. He had a trained stag with him that fought a battle each day, and it kept Mr. Newman busy during the battle.

The largest exhibit of the show was made by the little man from Delaware, Allen G. Oliver. The display which Mr. Oliver made would do credit to anyone, and the managers of the Washington Show are to be congratulated on his entry. All varieties of poultry, waterfowl, pheasants, etc., were in his collection, and a glance at the list of awards will tell the story of his winnings. Mr. Oliver is a dear lover of poultry, an enthusiastic fancier and a successful breeder. He is one of the largest breeders of fine poultry in this country and can without much exertion put up a good-sized show by himself. We are glad he came and hope he will be one of the regular supporters of the Washington event.

Speaking about fanciers like Mr. Oliver, recalls an incident which happened in the office of the show when the judging was in progress. The writer and Mr. Oliver were in the room with a number of the exhibitors, when the judge on Black Breasted Red Games turned in his book. Mr. Oliver was interested in these birds and so was Mr. Wade H. D. Warfield, of Sykesville, Md., but these gentlemen had never met before. They were both fanciers. As the clerks began tallying the awards the countenance of Mr. Warfield brightened and it was evident that he was pleased at the way things were going. The two gentlemen were soon acquainted and the last we saw of them they were going out of the door arm in arm.

The birds which Mr. Warfield showed were gems in their class. He said that he was interested deeply in the Black Breasted Red and we believe him. He made six entries and was placed as follows: 1st and 2d hen; 1st and 2d cockerel; 1st and 4th pullet. This showing was made in a splendid class of birds, and their quality is evidenced when the opposing birds are considered. In point of style the birds were extraordinary, and their reach was something marvelous. The small cut inserted in this paragraph will give an idea as to their general attractiveness for game points, and we dare say this strain of Mr. Warfield's will figure high in making the show history of the Black Breasted Red Game in the future.



B. B. RED GAME COCK.

One of the daintiest and most startling exhibits was made by Mr. William M. Hughes, South Portsmouth, R. I., in his Black Langshan Bantams. It was the first time these little fellows had been in the show room, and their sterling qualities threw the boys into consternation. These Bants had been heard of but they had never been seen before, their appearance signalizing another grand triumph in the art of breeding and making fine fowls. They were typical specimens of the Langshan type and it was no guess work to place them, they were Langshans in the true sense of the word, in shape, color and appearance. Mr. Hughes has scored a great success with his bantams, and THE FEATHER congratulates him.

Black Minorcas were strong in quality and numbers. The honors were won largely by Mr. P. H. McCormick, of Bel Air, Md. His entries were superb in quality and his successes in the Minorca alley were well merited. Mr. John M. Allen, of this city, is another worthy representative fancier of the Minorca, he and the former are holding a tight grasp on all honors in this section of the country.

The Light Brahma. When we mention this variety we touch strongly the tender feeling of that prince of fellows, John L. Cost, the genial superintendent of the Hagerstown Show. His display of Lights at Washington was superb, and it would indeed be a difficult task to find a nicer set of birds than he had. He won almost everything in his classes.

Walter R. Hibberd, of Frazer, Pa., put in an appearance, and enjoyed himself hugely.

A. P. Ingram, Jr., of West Chester, Pa., hung about the Buff Cochin and Buff Plymouth Rock alley as though his life depended on it. Al has got to that point



WHITE HOUSE.



STATE, WAR AND NAVY DEPARTMENTS.

he won't eat any poultry other than buff.

The old reliable Daniel Pinckney, South Onondaga, N. Y., he of Houdan fame, did not forget to send down a list of fine birds, and, of course, swept the decks.

Black Langshans were out in force. It was a hard struggle to tell the best birds. Some grand birds were shown and the honors were given to the winners after much labor. William H. Rhees was the most successful in Langshans and his winnings were very flattering indeed. Dr. Lea, of Hodges, S. C., Dr. E. C. Connor, Cokesbury, S. C., and Charles E. Thomas, of this city, were other exhibitors in this class. Every entry was a good one and a credit to the winner.

Mr. Theodore P. Green, Woodbury, N. J., made an entry of one pen of Buff Cochins. This pen won second place. Mr. Green has made a national reputation as owner of the Royal Blue Line Lofts of Homing pigeons, and has lately started in the poultry business. His wonderful success with the Homer has been phenomenal, and it is safe in saying that it is one of the best lofts in the country to-day. This is his first season in exhibiting poultry and he has done wonders in this line, winning at West Chester, Madison Square Garden and here. He started right by securing the best stock in the country, and being a thorough fancier his success is fully assured.

The Buff Leghorns exhibited by August D. Arnold, Dillsburg, Pa., were of exceptionally fine quality. Their color was a rich, even and distinct buff, free from all whites and blacks. He won about everything in the open classes and all specials. Mr. John Ridgely, Towson, Md., who breeds Barred Rocks, made a display. His birds are of many good qualities and typical specimens of the breed. He had a cockerel that was barred to the skin and of splendid carriage and style, a bird that it was a pleasure to see.

The local exhibitors did well on their birds, and won their share of the laurels. H. A. Munson entered forty-one birds in the Polish and Sebright Bantam classes and won forty premiums, as follows: 1st Silver Sebright Bantam pen, 1st Buff Laced Polish pen, 1st White Crested White Polish pen, 2d Bearded Golden Polish pen, 2d White Crested Black Polish pen, 2d Bearded Silver Polish pen, 1st Golden Bearded Polish hen, 1st White Crested White Polish hen, 1st White Crested White Polish pullet, 1st White Crested White Polish cockerel, 1st Silver Sebright Bantam cock, 1st Silver Sebright Bantam hen, 1st Silver Sebright Bantam cockerel, 1st and 2d Silver Sebright Bantam pullets and 1st Golden Sebright Bantam hen.

Mr. Munson's birds were the comment of all and their fine quality won for him their right place in the show—at the top. He breeds all varieties of Polish and Golden and Silver Sebright Bantams.

Rudolph Thiele is another of the leading local exhibitors. His list of entries included several varieties of poultry, pigeons, ducks, pheasants, etc. His display was much of the character of Mr. Oliver's, but not quite so large. The list included many winners, and as a whole it was a most creditable exhibit. Mr. Thiele fairly loves breeding fine stock and one will travel many miles without seeing a better stock farm than his.

The Messrs. Robert D. and William Weaver, of this city, were also exhibitors. Their list included poultry and dressed capons. Their first premium pair of dressed capons were exceptionally good.

Mr. J. B. Hurd is one of our enterprising exhibitors and practical poultrymen. He has a splendid place and is doing good work in his line. He fancies the White Leghorn and Blue Andalusian. It will not be a long time before he will be in the front ranks of exhibitors.

We should love to go through the whole list of exhibitors, but want of space prevents, and we will be obliged to defer this pleasure for some future date. The judges at Washington evidently did not labor in vain, judging, at least, by the satisfaction they gave. Of course, there was some kicking—but so very little that it was not worthy of notice. Poultry judges are not infallible, and what may look all right to one might be different to another.

Sitting in the balcony, we had a grand view and noted many pleasant sights. The visitors were moving along enjoying the rich treat before them, and fanciers were busy explaining the merits of their stock to those who inquired. Government officials, Congressmen, Senators, city officials, rich and poor residents, all mingled in the crowd and alike praised the attractive exhibits. Secretary of Agriculture Morton, Dr. D. E. Salmon, members of Legations, Senator Stewart and other notables were more than pleased, and the latter gentleman became a large purchaser.

Over among the bantams and pigeons the women and children lingered, fairly intoxicated with the sight of pretty birds arrayed in neat cages. The sporting men enjoyed the Game alley, admiring the trim form and slick look of these fighting birds. The lovers of eggs seemed to congregate in the Mediterranean section, while those interested in broilers and roasters fairly hugged the Asiatic and American rows.

The fancy poultry, the Polish, Hamburgs and ornamental varieties, received ovations from the ladies as they paused to glance at the fine feathers. Here was, indeed, a battle of the giants. The disinfecting by "Sanitas" was a grand success and praised by all who visited the show.

Awards at Washington.

POULTRY.

BARRED PLYMOUTH ROCKS—W. L. Defendorf, 1 cock, 2 hen, c pullet; John Ridgely of H., 2 cock, v h c and h c hens, v h c cockerel, 1 pullet, 2 pen; Long View Poultry Yards, v h c cock, h c pen; W. A. Sherman, h c cock; Vallie Hawkins, M.D., 1 hen, c cockerel, v h c pullet; A. E. Warner, c hen, 1 and 2 cockerels, 2 and h c pullets, 1 pen; Henry C. Shirley, jr., h c cockerel; F. G. Bean, v h c pen; Rudolph Thiele, c pen.

BUFF PLYMOUTH ROCKS—A. P. Ingram, jr., 1 cock, 1 hen, 1 cockerel; F. G. Bean, 2 cock, 1 pullet, 1 pen; Allen G. Oliver, 2 pullet.

WHITE PLYMOUTH ROCKS—Allen G. Oliver, 1 cock, 1 hen, 1 pullet; Geo. Schrade, 2 cock; E. Reese Pitcher, 1 cockerel; J. F. Defandorf, 2 cockerel, 2 pullet, 1 pen; Rudolph Thiele, 2 pen.

SILVER WYANDOTS—W. Q. Minturn, 1 cock; C. E. Boileau & Son, 2 cock; Allen G. Oliver, 1 hen, 1 pullet; J. M. Hamblin, 1 and 2 cockerels, 2 and v h c pullet; Wm. Weaver, 1 pen.

GOLDEN WYANDOTS—Allen G. Oliver, 1 cock, 1 hen, 2 pullet; C. E. Boileau & Son, 2 cock; H. D. Mason & Sons, 1 cockerel, 1 pullet; C. E. Schildknecht, 2 cockerel.

WHITE WYANDOTS—W. E. Mack, 2 hen, 2 cockerel, 2 pullet; A. P. Groves, 1 cockerel, v h c pullet; Uplands Poultry Yards, 1 pullet, 1 pen; Jos. B. Pyle, 2 pen; Holly Oak Farm, v h c pen.

BUFF WYANDOTS—A. P. Groves, 1 cock, 2 hen, 1 and 2 cockerels, 1 and 2 pullets; C. E. Schildknecht, 1 hen, c cockerel, v h c and h c pullets; R. G. Buffinton, 1 pen.

BLACK WYANDOTS—C. E. Schildknecht, 1 pullet; Allen G. Oliver, 2 pullet.

BLACK JAVAS—Allen G. Oliver, 1 hen.

MOTTLED JAVAS—Allen G. Oliver, 1 hen, 1 pullet.

WHITE JAVAS—Allen G. Oliver, 1 hen.

AMERICAN DOMINIQUES—Allen G. Oliver, 1 hen, v h c cockerel, 1 pullet.

JERSEY BLUES—Allen G. Oliver, 1 cockerel, 1 pullet.

LIGHT BRAHMAS—Chas. E. Ford, 1 and v h c cocks, h c cockerel; John L. Cost, 2 and c cocks, 1, 2, h c and c hens, 2, v h c and c cockerels, 1 and c pullets, v h c pen; J. Elias Redcay, h c cock, v h c hen; Josias J. George, 1 cockerel, h c pen; Bagatelle Poultry Yards, 2, v h c and h c pullets; Jno. E. Bardroff, c pen; Walter R. Hibberd, 1 pen; W. L. Defendorf, 2 pen.

DARK BRAHMAS—L. B. Minich & Son, 1 and h c cocks, 2 and v h c hens, 1 and 2 cockerels, 1, 2 and v h c pullets; W. Q. Minturn, 2 and v h c cocks, 1 and c hens, 1 pen; F. G. Bean, h c hen.

BUFF COCHINS—Lynnhurst Poultry Yards, 1, v h c and h c cocks, 1, v h c and h c hens, 1, 2 and h c cockerels, 1 and h c pullets; A. P. Ingram, jr., 2 cock, 2 hen, c cockerel, 2, v h c and c pullets, 1 pen; Allen G. Oliver, v h c cockerel; Theo. P. Green, 2 pen.

PARTRIDGE COCHINS—Uplands Poultry Yards, 1 cock, 1 hen; G. W. Fuller, 2 cock; L. B. Minich & Son, v h c cock, v h c hen; Lynnhurst Poultry Yards, 2, h c and c hens, 1 cockerel, 2 pullet; C. E. Schildknecht, v h c cockerel, 1 pullet; Rudolph Thiele, 2 cockerel, v h c pullet.

WHITE COCHINS—Lynnhurst Poultry Yards, 1, 2 and v h c hens, 1 cockerel, 1 pullet; Rudolph Thiele, 2 cockerel; Frank Benton, v h c cockerel.

BLACK COCHINS—Lynnhurst Poultry Yards, 1 cock, 2, v h c and h c hens, 1 cockerel, 1 pullet; Allen G. Oliver, 2 cock, 1 hen, 2 cockerel, 2 pullet.

BLACK LANGSHANS—Wm. H. Rhees & Co., 1 cock, 1 hen, 1 and c pullets, v h c pen; E. C. Connor, 2 cock, v h c hen, 2 cockerel, 2 pullet; Allen G. Oliver, v h c cock, 2 hen; W. T. Levering, h c cock, h c pullet, 1 pen; Thomas & Ferguson, c cock, h c hen, c cockerel, c pen; Stephen T. Lea, M.D., c hen, 1 and h c cockerels; F. G. Bean, v h c cockerel; J. A. Dienelt, v h c pullet; Geo. Corson, 2 pen; Rudolph Thiele, h c pen.

WHITE LANGSHANS—Allen G. Oliver, 1 cock, 1 hen, 1 cockerel, 1 pullet; F. G. Bean, 2 hen, 2 cockerel, 2 pullet, 1 pen.

S. C. BROWN LEGHORNS—W. W. Kulp, 1 cock, h c hen, 1 cockerel; Dr. H. W. Dorsey, 2, v h c and c cocks, v h c and c hens, h c and c cockerels, 1 and h c pullets, 1 and 2 pens; Herbert W. Smith, h c cock, 1 and 2 hens; W. H. Heimbach & Co., 2 cockerel, v h c pullet; C. E. Schildknecht, 2 and c pullets.

R. C. BROWN LEGHORNS—W. W. Kulp, 1 and 2 hens, 1 cockerel, 1 and 2 pullets; W. A. Pierce, 1 pen; Rudolph Thiele, 2 pen.

S. C. WHITE LEGHORNS—J. Frank Morgal, 1 cock, 1 hen, v h c cockerel; W. H. Heimbach & Co., 2 cock, v h c hen, h c cockerel; Chas. E. Ford, v h c and h c cocks, 2 and h c hens, 1 cockerel, 2 and h c pullets, 1 pen; Long View Poultry Yards, 1 and v h c pullets, 2 pen; Allen G. Oliver, 2 cockerel, c pullet.

R. C. WHITE LEGHORNS—Allen G. Oliver, 1 and 2 cockerels, 1 pullet; Holly Oak Farm, v h c cockerel, 1 pen.

BLACK LEGHORNS—W. H. Helmbach & Co., 1 cock, 1 hen, 1 cockerel, 1 pullet; Allen G. Oliver, 2 pullet.

DOMINIQUE LEGHORNS—Allen G. Oliver, 2 cockerel, v h c pullet; W. H. Heimbach & Co., 2 pullet.

BUFF LEGHORNS—Aug. D. Arnold, 1, 2 and c cocks, 1, 2 and v h c hens, 1, 2, v h c and c cockerels, 1, 2, v h c, h c and c pullets, 1 and 2 pens; F. G. Bean, v h c cock; Holly Oak Farm, h c cock, h c hen; Walter R. Hibberd, c hen, v h c pen; Geo. Schrade, h c cockerel.

SILVER DUCK WING LEGHORNS—W. H. Heimbach & Co., 1 cock, 1 hen, 1 cockerel, 1 pullet.

BLACK MINORCAS—Frank Benton, 1 cock, c hen; P. H. McCormick, 1 and 2 hens, 1 cockerel, 1 and 2 pullets, 1 pen; J. M. Allen, v h c hen, c pullet, v h c and h c pens; Skyfields Farm, h c hen; F. G. Bean, 2 cockerel, v h c pullet; Walter R. Hibbard, v h c cockerel, h c pullet, 2 pen; Rudolph Thiele, h c cockerel.

WHITE MINORCAS—Allen G. Oliver, 1 hen; F. G. Bean, 2 hen; Mrs. J. G. Osborne, 1 cockerel, 1 pullet.

BLUE ANDALUSIANS—Allen G. Oliver, 1 cock, 1 hen, 1 cockerel, 1 pullet; Skyfields Farm, 2 pullet.

BLACK SPANISH—Allen G. Oliver, 1 cock, 1 hen, 1 cockerel, 1 pullet, 1 pen.

W. C. BLACK POLISH—S. F. Gulliford, 1 cock, 2 hen, v h c cockerel, 2 pullet, 1 pen; J. W. Bruckart, 2 cock, 1 pullet; Allen G. Oliver, v h c cock, 1 hen, 1 and 2 cockerels, v h c pullet; Rudolph Thiele, h c cockerel; H. A. Munson, 2 pen.

GOLDEN POLISH—Allen G. Oliver, 1 cock, 1 hen, 1 cockerel, 1 pullet; J. W. Bruckart, 2 cockerel, 2 pullet.

SILVER POLISH—Allen G. Oliver, 1 hen.

WHITE POLISH—H. A. Munson, 1 hen, 1 cockerel, 1 pullet; Allen G. Oliver, 2 hen, 2 cockerel, 2 pullet.

BEARDED GOLDEN POLISH—S. F. Gulliford, 1 cock, v h c hen, 2 cockerel, 2 pullet; Allen G. Oliver, 2 cock, 2 hen, 1 cockerel, 1 pullet, 1 pen; H. A. Munson, 1 hen, 2 pen.

BEARDED SILVER POLISH—Allen G. Oliver, 1 cock, 1 hen,1 cockerel, 2 pullet, 1 pen; S. F. Gulliford, 2 cock, 2 hen, 2 cockerel, v h c pullet; J. W. Bruckart, 1 pullet; H. A. Munson, 2 pen.

BEARDED WHITE POLISH—Allen G. Oliver, 1 cock, 1 hen.

BUFF LACED POLISH—J. W. Bruckart, 1 cock, v h c hen, 1 cockerel, 2 pullet; Allen G. Oliver, 2 cock, 2 hen, 1 pullet; S. F. Gulliford, v h c cock, 1 hen, 2 cockerel, v h c pullet, 2 pen; H. A. Munson, 1 pen.

GOLDEN SPANGLED HAMBURGS—Julius Frank, 1 cock, 1 hen, 2 and v h c cockerels, 1 pullet; Allen G. Oliver, 2 cock, 2 hen; Chas Eldredge, 1 cockerel.

SILVER SPANGLED HAMBURGS—Julius Frank 1 cock, v h c and h c hens; Jas. Mayo, 2 cock, 1 pullet, 1 pen; Otto Budrecky, 1 and 2 hens, 2 cockerel, v h c and c pullets; Uriah Stafford, c hen 2 pullet; Chas. Eldredge, 1 cockerel, h c pullet; D. P. Shove, 2 pen.

GOLDEN PENCILED HAMBURGS.—Chas. Eldredge, 1 cock, 1 hen, 1 cockerel, h c pullet; Julius Frank, 2 cock, v h c hen, 2 cockerel 2 pullet; Isaac Timbrell, v h c cock, h c hen, v h c pullet; C. E. Schildknecht, 2 hen; Allen G. Oliver, v h c cockerel 1 pullet; J. A. Lewis 1 pen.

SILVER PENCILED HAMBURGS.—Chas. Eldredge, 1 cock, 1 hen, 1 cockerel; Julius Frank, 2 cock 2 hen, v h c cockerel, 2, v h c and h c pullets; C. E. Schildknecht, v h c hen; Allen G. Oliver, 2 cockerel 1 pullet.

WHITE HAMBURGS.—Julius Frank, 1 cock, 1 hen 1 and 2 pullets; Allen G. Oliver, 2 cock; Edw. S. Schmid, 2 hen; J. W. Bruckart, v h c pullet.

BLACK HAMBURGS—Allen G. Oliver, 1 cock, v h c cockerel, 2 pullet; Julius Frank, 2 cock, 1 and 2 hens, 2 cockerel, 1 pullet; Chas. Eldredge, 1 cockerel, v h c pullet.

RED CAPS.—L. B. Minich & Son, 1 cock, 1 hen Allen G. Oliver, 2 cock, 2 hen, 1 cockerel, 1 pullet; Robt. D. Weaver, jr., v h c cock, v h c hen.

SILVER CAMPINES.—Allen G. Oliver, 1 cock, 1 hen.

HOUDANS.—C. D. Purkins, 1 cock, v h c hen Daniel Pinckney, 2 cock, 1 hen, 1 cockerel, 1 pullet, 1 pen; F. G. Bean, 2 hen; Uplands Poultry Yards, 2 pen; Rudolph Thiele, v h c pen.

LA FLECHE.—Allen G. Oliver, 1 cockerel, 1 pullet.

WHITE DORKINGS.—C. D. Purkins, 1 hen.

SILVER GRAY DORKINGS.—Allen G. Oliver, 1 cock, 1 hen.

COLORED DORKINGS.—Allen G. Oliver, 1 hen, 1 cockerel, 1 pullet.

BLACK-BREASTED RED GAMES.—Morgan Stinemetz, 1 cock, h c and c hens, h c cockerel v h c pullet, 1 pen; W. H. D. Warfield, 1 and 2 hens, 1 and 2 cockerels, 1 and h c pullets; Allen G. Oliver, v h c hen, v h c cockerel, 2 pullet.

BROWN RED GAMES.—Hampton Farm, 1 and v h c hens; Allen G. Oliver, 2 hen, 1 cockerel, 1 pullet.

GOLDEN DUCK-WING GAMES.—Allen G. Oliver, 1 cock, 1 hen, 1 pullet.

SILVER DUCK WING GAMES—Allen G. Oliver, 1 cock, 1 hen, 1 pullet; Hampton Farm, 2 hen, 1 and 2 cockerels, 2 pullet.

RED PYLE GAMES—Allen G. Oliver, 1 cock, h c hen, 2 pullet; Hampton Farm, 1, 2 and v h c hen, 1 pullet.

BIRCHEN GAMES—Allen G. Oliver, 1 cockerel, 1 pullet.

CORNISH INDIAN GAMES—Adam Thomnson, 1 and v h c cocks, 1 and 2 hens, 1 and c cockerels, 1 and 2 pullets; W. H. D. Warfield, 2 and h c cocks, h c pullet; E. M. Mellor, c cock, h c cockerel, c pullet; Allen G. Oliver, v h c hen, v h c cockerel Geo. Schrade, h c hen; Cornelius Winstone, c hen; H. M. Carpenter, 2 cockerel, v h c pullet; Rudolph Thiele, 1 pen.

WHITE INDIAN GAMES—W. W. Woodward, 1 cock, 2 hen, 1 and 2 cockerels, h c and c pullets; Hampton Farm,2 and v h c cocks, 1 and v h c hens, 1 and v h c pullets; Allen G. Oliver, v h c cockerel, 2 pullet.

PIT GAMES—Jonathan Ogden, 1 and 2 cocks, 1 hen, 1 pullet, 1 pen; Morgan Stinemetz, 2 and v h c hens, 1 and 2 cockerels, 2 pullet, 2 pen; Howard C. Wall, v h c cock.

BLACK BREASTED RED MALAYS—Hampton Farm, 1 and 2 hens.

BLACK BREASTED RED GAME BANTAMS—Havemeyer Bros., 1 cock, 2 hen; Allen G. Oliver, 2 cock, 1 hen, 1 cockerel; Fred Maunder, 2 cockerel; Geo. Corson, 1 and 2 pullets.

BROWN RED GAME BANTAMS—Allen G. Oliver, 1 cock, 1 hen; Havemeyer Bros., 2 cock, 2 hen, 1 cockerel, 1 pullet.

GOLDEN DUCK WING GAME BANTAMS—Allen G. Oliver, 1 cock; Havemeyer Bros., 1 hen, 1 cockerel, 1 pullet.

SILVER DUCK WING GAME BANTAMS—Allen G. Oliver, 1 cock, 1 hen; Walter R. Hibberd, 1 cockerel, 1 pullet.

RED PYLE GAME BANTAMS—Allen G. Oliver, 2 cock, 2 hen; Havemeyer Bros., 1 cock, 1 hen, 1 cockerel, 1 pullet.

WHITE GAME BANTAMS—Allen G. Oliver, 1 cock, v h c hen, 1 pullet; Fred Maunder, 1 and 2 hens.

BIRCHEN GAME BANTAMS—Allen G. Oliver, 1 cock, 1 hen; Havemeyer Bros., 2 cock, 2 hen, 1 cockerel, 1 pullet; R. G. Buffinton, 1 pen.

GOLDEN SEBRIGHT BANTAMS—Dr. E. H. Witmer & Son, 1 cock, 2 hen, 1 cockerel, 2 pullet; H. A. Munson, 1 hen; Allen G. Oliver, 1 pullet.

SILVER SEBRIGHT BANTAMS—H. A. Munson, 1 cock, 2 hen, 1 cockerel, 1 and 2 pullets, 1 pen; Allen G. Oliver, 2 cock, 1 hen, v h c pullet.

ROSE COMB BLACK BANTAMS—Allen G. Oliver, 1 cockerel, 1 pullet.

BUFF COCHIN BANTAMS—Dr. E. H. Witmer & Son, 1 cock, 1 hen, 1 cockerel, 1 pullet; Upland Poultry Yards, 1 pen.

WHITE COCHIN BANTAMS—Dr. E. H. Witmer & Son, 1 cock, v h c hen, 1 cockerel, 2 pullet; Lynnhurst Poultry Yards, 2 and v h c cocks, 1 and 2 hens, 2 and v h c cockerels, 1 and v h c pullets.

BLACK COCHIN BANTAMS—Allen G. Oliver, 1 cock, 1 hen; Dr. E. H. Witmer & Son, 2 hen, 1 cockerel, 1 pullet; R. G. Buffinton, 1 pen.

BLACK TAILED JAPANESE BANTAMS—Allen G. Oliver, 1 hen; F. W. Otte, jr., 1 cockerel, 1 pullet.

WHITE JAPANESE BANTAMS—Lynnhurst Poultry Yards, 1 cock, 2 hen, 2 pullet; Dr. E. H. Witmer & Son, 1 hen, 1 cockerel, 1 pullet.

BLACK JAPANESE BANTAMS—Lynnhurst Poultry Yards, 1 hen, 1 cockerel, 1 pullet.

WHITE-CRESTED WHITE POLISH BANTAMS—Dr. E. H. Witmer & Son, 1 cock, 1 hen, 1 cockerel, 1 pullet.

BLACK RUSSIAN—Allen G. Oliver, 1 hen.

WHITE SILKIES—Allen G. Oliver, 1 hen, 2 pullet; C. D. Purkins, 1 cockerel, 1 pullet.

ANY-COLOR FRIZZLED—Allen G. Oliver, 1 cock, 1 and 2 hens; C. D. Purkins, 1 cockerel, 1 pullet.

ANY-COLOR RUMPLESS—Holly Oak Farm, 1 hen; C. D. Purkins, 1 cockerel.

R. C. BLACK MINORCAS—Allen G. Oliver, 1 cockerel, 1 pullet.

R. C. WHITE MINORCAS—Frank Benton, 1 cock, 1 cockerel, 1 pullet.

LONG-TAILED JAPANESE PHOENIX—Bagatelle Poultry Yards, 1 cock, 1 pullet.

WHITE LEGHORN BANTAMS—Rudolph Thiele, 1 cock, 1 hen.

RUMPLESS BANTAMS—P. H. McCormick, 1 cock, 1 hen, 1 cockerel, 1 pullet.

GRAY JAPANESE BANTAMS—Lynnhurst Poultry Yards, 1 hen, 1 cockerel, 1 pullet.

SHERWOODS—F. G. Bean, 1 cock, 1 hen.

BLACK LANGSHAN BANTAMS—Wm.M. Hughes, 1, 2, v h c, h c and c cockerels, 1, 2, v h c, h c and c pullets, 1 pen. This entry was especially commended.

BRONZE TURKEYS—Edward S. Schmid, 1 tom, 1 hen.

SLATE TURKEYS—Allen G. Oliver, 1 tom, 1 hen.

WHITE TURKEYS—R. R. Harding, 1 tom, 1 hen; Allen G. Oliver, 2 tom, 2 hen; Chas. F. Newman, v h c tom, v h c hen.

BLACK TURKEYS—Allen G. Oliver, 1 tom, 1 hen.

WILD TURKEYS—Allen G. Oliver, 1 old tom, 1 old hen, 1 young tom, 1 young hen.

WHITE PEKIN DUCKS—Chas. F. Newman, 1 and 2 young drakes, 1 and 2 young ducks, 1 and v h c old drakes, 1 and v h c old ducks, 1 pen; P. H. McCormick, 2 old drake, 2 old duck; Allen G Oliver, v h c young drake, v h c young duck, c old drake; Skyfields Farm, h c old drake; Rudolph Thiele, 2 pen; D. P. Shove, v h c pen.

WHITE AYLESBURY DUCKS—Allen G. Oliver, 1 old drake, 1 old duck, 2 young drake.

COLORED ROUEN DUCKS—Edward S. Schmid, 1 old drake, v h c old duck; Zimmerman & Bros., 2 old drake, 1 old duck; Allen G. Oliver, v h c young drake, 2 young duck.

BLACK CAYUGA DUCKS—Allen G. Oliver, 1 old drake, 1 old duck, 1 young drake, 1 young duck; Edward S. Schmid, 2 old duck.

COLORED MUSCOVY—Allen G. Oliver, 1 young drake, 1 young duck, 2 old drake, 1 old duck; Zimmerman & Bros., 1 old drake, 2 old duck; C. D. Purkins, v h c old drake, h c old duck.

WHITE MUSCOVY—Allen G. Oliver, 1 young drake, 1 young duck, v h c old drake, v h c old duck; Edward S. Schmid, 1 old drake, 2 old duck; Zimmerman & Bros., 2 old drake, 1 old duck.

GRAY CALL DUCKS—Allen G. Oliver, 1 old drake, 1 old duck.

WHITE CALL DUCKS—Allen G. Oliver, 1 old drake, 1 old duck, 1 young drake, 2 young duck.

BLACK EAST INDIAN DUCKS—Allen G. Oliver, 1 young duck.

CRESTED WHITE DUCKS—Edward S. Schmid, 1 drake, 1 duck.

MALLARD DUCKS—Edward S. Schmid, 1 pair.

TOULOUSE GEESE—Chas. F. Newman, 1 and v h c gander, 1 and v h c goose; Allen G. Oliver, 2 gander, 2 goose.

EMBDEN—Allen G. Oliver, 1 young gander; Zimmerman & Bros., 1 old gander, 1 old goose.

BROWN CHINESE GEESE—Allen G. Oliver, 1 young gander, 1 young goose.

WHITE CHINESE GEESE—Allen G. Oliver, 1 and 2 old ganders, 1 and 2 old geese.

WILD GEESE—Allen G. Oliver, 1 young gander, 2 young goose, 2 old gander, 1 old goose.

PEA FOWLS (COLORED)—Allen G. Oliver, 1 pair; Frank Benton, 2 pair.

PEA FOWLS (WHITE)—Edward S. Schmid, 1 pair.

GUINEA FOWLS (PEARL)—D. P. Shove, 1 pair; Allen G. Oliver, 2 pair; Frank Benton, v h c pair.

GUINEA FOWLS (WHITE)—Allen G. Oliver, 1 pair.

GOLDEN PHEASANTS—Allen G. Oliver, 1 palr; Rudolph Thiele, 2 pair.

SILVER PHEASANTS—Rudolph Thiele, 1 palr; Allen G. Oliver, 2 pair.

MONGOLIAN PHEASANTS—Allen G. Oliver, 1 pair.

LADY AMHERST PHEASANTS—Allen G. Oliver, 1 pen.

RING DOVES—C. E. Hunt, 1 pair.

PIGEONS.

BLACK CARRIERS—Havemeyer Bros., 1 cock.

DUN CARRIERS—Edward S. Schmid, 1 cock, 1 hen

BLACK PIED POUTERS—Jos. Bardroff, 1 cock, 1 hen; Rudolph Thiele, 2 cock, 2 hen; Edward S. Schmid, v h c cock, v h c hen.

YELLOW PIED POUTERS—Jos. Bardroff, 1 cock, 1 hen.

RED PIED POUTERS—Rudolph Thiele, 1 cock; Jos. Bardroff, 2 cock, 1 hen; Edward S. Schmid, v h c cock, 2 hen.

BLUE PIED POUTERS—Jos. Bardroff, 1 cock, 1 hen; Edward S. Schmid, 2 cock, 2 hen; E. K. Wheeler, v h c hen.

WHITE POUTERS—Edward S. Schmid, 1 and v h c cocks, 1 hen; Rudolph Thiele, 2 cock, 2 hen.

PIGMY POUTERS (BLACK OR BLUE)—Edward S. Schmid, 1 cock; Havemeyer Bros., 2 and v h c cocks, 1 and 2 hens.

PIGMY POUTERS (WHITE)—Jos. Bardroff, 1 and v h c cocks, 1 and 2 hens; Edward S. Schmid, 2 cock, h c hen; Havemeyer Bros.. v h c hen.

PIGMY POUTERS (ANY OTHER COLOR)—Havemeyer Bros., 1 and 2 cocks, 1 and 2 hens.

BLACK BARBS—Walter W. White, 1 and 2 cocks; Rudolph Thiele, v h c cock, 1 hen.

RED BARBS—Walter W. White, 1 and 2 cocks, 1 hen.

BARBS (ANY SOLID COLOR BRED IN '95)—Walter W. White, 1, 2, v h c and h c cocks, 1, 2, v h c and h c hens.

BARBS (ANY SOLID COLOR BRED IN '96)—Walter W. White, 1, 2 and v h c cocks.

TUMBLERS (BALD HEAD, BLACK)—H. E. Jones, 1 cock, 1 hen.

TUMBLERS (LONG-FACED,SOLID OR BARRED, MUFFED OR CLEAN-LEGGED)—F. G. Bean, 1 cock, 1 hen; C. E. Hunt, 2 cock, v h c hen.

TUMBLERS (LONG-FACED, ANY COLOR, MUFFED OR CLEAN-LEGGED)—Morgan Stinemetz, 1 cock, 1 hen.

TUMBLERS (INSIDE OR PARLOR, BLACK)—E. K. Wheeler, 2 hen.

TUMBLERS (INSIDE OR PARLOR, YELLOW)—Ferdie Fick, 1 cock; P. A. Scheid, 2 and v h c cocks, 1 and 2 hens.

TUMBLERS (INSIDE OR PARLOR, RED)—P. A. Scheid. 1 hen.

ENGLISH OWLS (SILVER)—Chas. B. Funk, 1 cock, 1 hen.

ENGLISH OWLS (ANY OTHER COLOR)—E. K. Wheeler, 1 hen.

AFRICAN OWLS (WHITE)—Horace J. Long, c hen.

AFRICAN OWLS (ANY OTHER COLOR)—E. K. Wheeler, v h c cock.

BLACK TRUMPETERS—F. A. Rommel, 1 cock. 1 hen.

WHITE TRUMPETERS—F. A. Rommel, 1 cock. 1 hen.

YELLOW FANTAILS—Havemeyer Bros., 1 and 2 cocks. 1 and 2 hens; E. K. Wheeler, c hen.

BLACK FANTAILS—Havemeyer Bros., 1 and 2 cocks, 1 and 2 hens; E. K. Wheeler, c hen.

WHITE FANTAILS—Havemeyer Bros., 1 and 2 cocks, 1 and 2 hens; C. R. & C. M. Diffenderffer, v h c, h c and c cocks, v h c, h c and c hens.

BLUE FANTAILS—Havemeyer Bros., 1 cock, 1 hen.

FANTAILS (ANY OTHER COLOR)—Havemeyer Bros., 1 cock, 1 hen.

FANTAILS (WHITE, CRESTED AND BOOTED)—Havemeyer Bros., 1 hen.

FANTAILS (RED OR YELLOW SADDLE-BACK)—Havemeyer Bros., 1 cock, 1 hen.

FANTAILS (ANY OTHER COLOR, SADDLE-BACK)—Havemeyer Bros., 1 cock, 1 hen.

FANTAILS (ANY COLOR TAIL)—Havemeyer Bros., 1 cock, 1 hen.

FANTAILS (ANY COLOR, SILKY)—Havemeyer Bros., 1 cock, 1 hen.

BLUETTES—Dr. C. H. A. Meyer, 1 and 2 cocks, 1 hen.

BARRED BLONDINETTES—Dr. C. H. A. Meyer, 1 and 2 cocks, 1 and 2 hens.

LACED BLONDINETTES—Dr. C. H. A. Meyer, 1 cock, 1 hen; Rudolph Thiele, c cock.

SATINETTES—Dr. C. H. A. Meyer, 1 hen.

BLACK LACED BLONDINETTES—Theo. Warner, 1 cock.

DUN LACED BLONDINETTES—Theo. Warner, 1 hen.

BLACK WINGED TURBITS—Edward S. Schmid, 1 cock, 1 hen.

YELLOW WINGED TURBITS—Horace J. Long, 1 and 2 cocks; Edward S. Schmid, v h c cock, 2 hen; Rudolph Thiele, 1 hen; E. K. Wheeler, v h c hen.

RED WINGED TURBITS—Rudolph Thiele, 1 and v h c cocks, 1 and 2 hens; Horace J. Long, 2 cock; Edward S. Schmid, h c cock, v h c hen.

BLUE WINGED TURBITS—Morgan Stinemetz, 1 cock, 1 hen; Edward S. Schmid, 2 cock, 2 hen.

TURBITS (ANY OTHER COLOR WINGED)—Rudolph Thiele, 1 cock; C. E. Hunt, 2 cock.
TURBITS (ANY SOLID COLOR)—Rudolph Thiele, 1 cock, 1 hen.
BLACK JACOBINS—M. B. Blauch, 1 cock, 1 hen; C. R. & C. M. Diffenderffer, h c cock, h c hen.
YELLOW JACOBINS—M. B. Blauch, 1 cock, 2 hen; C. R. & C. M. Diffenderffer, 2 and v h c cocks, 1 and v h c hens.
RED JACOBINS—M. B. Blauch, 1 cock; E. K. Wheeler, c cock; Chas. B. Funk, 1 hen; C. R. & C. M. Diffenderffer, 2 hen.
WHITE JACOBINS—M. B. Blauch, 1 cock, 1 hen; Edward S. Schmid, 2 cock, v h c hen; C. R. & C. M. Diffenderffer, v h c cock, 2 and h c hens; Chas. B. Funk, h c cock.
JACOBINS (ANY COLOR BRED IN '96)—M. B. Blauch, 1 and 2 cocks, 1 and 2 hens.
RED MAGPIES—H. E. Jones, 1 cock, 1 hen; W. Stewart Diffenderffer, 2 and h c cocks, 2 and h c hens; Rudolph Thiele, v h c cock, v h c hen.
YELLOW MAGPIES—H. E. Jones, 1 cock, 1 hen; Rudolph Thiele, 2 cock, 2 and v h c hens.
BLACK MAGPIES—W. Stewart Diffenderffer, 1, 2 and v h c cock, 2 and h c hens; M. B. Domer, h c cock; Rudolph Thiele, v h c hen; G. A. Fick, 1 hen.
BLUE MAGPIES—H. E. Jones, 1 cock, 1 hen.
BLUE SWALLOWS—E. K. Wheeler, 1 cock.
YELLOW SWALLOWS—G. A. Fick, 1 cock.
BLUE SWALLOWS (WHITE BARS)—G. A. Fick, 1 and 2 cocks, 1 and 2 hens.
YELLOW DRAGOONS—Chas. B. Funk, 1 hen.
BLACK DRAGOONS—Chas. B. Funk, 2 cock, 1 hen.
ANTWERPS (LONG FACED, ANY COLOR)—F. G. Bean, 1 cock, 1 hen.
BRONZE ARCHANGELS—Wm. Broemer, 1, 2 and v h c cocks, 1 2 and v h c hens; M. B. Domer, h c cock, h c hen.
FRILLBACKS (ANY COLOR)—Havemeyer Bros., 1 cock, 1 hen.
MORECAPS (ANY COLOR)—E. K. Wheeler, 1 cock; Chas. B. Funk, 2 cock, 1 hen.
ICE (ANY COLOR)—Rudolph Thiele, 1 cock.
HOMERS—H. Marion, 1 cock, 2 and c hens; W. H. Keyworth, 1, v h c and h c hens.
BRUNNERS—Chas. Volland, 1 cock, v h c hen.

PET STOCK.

LOP-EAR RABBITS—E A. Martin, 1 old pair, 1 young pair.
ANGORA RABBITS—Edward S. Schmid, 1 pair.
HIMALAYAN RABBITS—Edward S. Schmid, 1 pair.
BELGIAN HARES—Edward S. Schmid, 1 pair.
GUINEA PIGS—Edward S. Schmid, 1.
RAVENS—Edward S. Schmid, 1.
PORCUPINES—Edward S. Schmid, 1.
GROUND HOGS—Edward S. Schmid, 1.
SWANS (WHITE)—Edward S. Schmid, 1 pair.
SWANS (BLACK)—Edward S. Schmid, 1 pair.

DRESSED POULTRY AND EGGS.

BEST PAIR DRESSED CAPONS—Wm. Weaver, 1.
FOUR BEST BROILERS—Long View Poultry Yards, 1.
DOZEN BEST HENS' EGGS (WHITE)—Long View Poultry Yards, 1.
DOZEN BEST HENS' EGGS (BROWN)—Long View Poultry Yards, 2.
DOZEN HEAVIEST HENS' EGGS—W. E. Mack, 1.

NOTE—Want of space prevents the publishing of the list of special premiums of this show in this issue. The special awards will be given in the February issue.—ED.

Sale of Stock.

OMRO, Wis., Nov. 24, 1896.

This is to certify that I have this day sold to R. F. Alden and M. Hayden of Montrose, Pa., my entire stock of Golden Wyandots formerly belonging to my late husband, Joseph McKeen, the originator of the Golden Wyandots, and I refer all wishing stock or eggs in the future to them. MRS. JOS. MCKEEN.

Recent Successes.

Dr. Charles H. A. Meyer, Baltimore, Md., made an excellent showing with his dainty little Frills at the late Louisville Pigeon show. He had ten birds entered, winning four firsts, five seconds and one third and special. He did proportionately as well at the New York show just closed. He made five entries, winning one first and two seconds.

Clubbing List.

Name of Publication	Price Alone	With The Feather
The Feather	$0 50	
American Fancier	1 50	$1 60
American Poultry Advocate	25	60
American Poultry Journal	50	75
American Stock-Keeper	1 00	1 25
Fanciers' Review	50	75
Farm-Poultry	1 00	1 25
New England Fancier	50	75
Ohio Poultry Journal	50	75
Pigeon News	1 00	1 25
Poultry Keeper	50	75
Pultry Monthly	1 00	1 25
Reliable Poultry Journal	50	75
Southern Fancier	50	75

GEORGE E. HOWARD & CO.,
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D. A. NICHOLS.

The American Poultry Association Meeting.

The American Poultry Association held its twenty-first annual session at Madison Square Garden, New York City, on January 1, 1897. The meeting was called to order by the president, Mr. George O. Brown, at 8 o'clock P. M. A large attendance of members answered the roll. The president's address was favorably received, and many of his recommendations were carried out during the later proceedings of the meeting.

Roll of members was called, and by resolution the minutes of previous meeting as printed were approved. Finance Committee reported that they had examined the books of the Association and found them correct.

The following officers were elected for the ensuing year: President, D. A. Nichols; secretary, Theodore Sternberg; treasurer, H. V. Crawford.

Vice-Presidents.—H. S. Babcock, Providence, R. I.; H. A. Munson, Washington, D. C.; H. A. Bridge, Columbus, Ohio; A. F. Peirce, Winchester, N. H.; George V. Fletcher, Belmont, Mass.; A. E. Olshausen, Los Angeles, Cal.; J. W. Killingsworth, Augusta, Ga.; B. N. Pierce, Indianapolis, Ind.; August D. Arnold, Dillsburg, Pa.; C. H. Welles, Stratford, Conn.; F. W. Hitchcock, Greenleaf, Kan.; J. Y. Bicknell, Buffalo, N. Y.; J. Alwyn Ball, Summerville, S. C.; Geo. G. McCormick, London, Ont.; Geo. T. Pitkin, Chicago, Ill.

Advisory Board.—George O. Brown, Baltimore, Md.; James Forsyth, Owego, N. Y.; Sid Conger, Flat Rock, Ind.; O. Scotten, Detroit, Mich.; Geo. W. Mitchell, Bristol, Conn.

Executive Committee.—Calif. rnia: Chas. R. Harker, San Jose; O. J. Albee, Lawrence. Connecticut: W. H. Hamilton, Danielson. Georgia: G. M. Downs, Atlanta. Indiana: George Seeger, Jr., Lafayette; Daniel Christian, Roanoke; I. N. Barker, Thorntown. Illinois: Dan Robinson, Palmyra; Morgan Bates, Chicago; Grant B. Curtis, Quincy. Iowa: F. M. Shellabarger, West Liberty; W. S. Russell, Ottumwa. Massachusetts: John Lowell, Jr., Chestnut Hill; R. J. Hamilton, Springfield; A. R. Sharp, Taunton; H. S. Ball, Shrewsbury. Kansas: C. H. Rhodes, Topeka. Maryland: Wm. T. Levering, Baltimore. Missouri: V. R. Andrus, Kansas City; Adam Thompson, Amity; Mrs. E. A. Creel, Carrollton. Michigan: Franklane L. Sewell, New Troy; Mrs. Alice Mason, Grant. New Hampshire: Hon. V. C. Gilman, Nashua. New Jersey: F. W. Gaylor, Jersey City; Henry Hales, Ridgewood. New York: Newton Adams, Utica; J. H. Thompson, Jr., Patterson, C. E. Howell, Elmira; J. H. Drevenstedt, Johnstown. Ohio: Ira C. Keller, Tiffin; Chas. McClave, New London. Pennsylvania: E. S. Hickman, Cheyney; A. P. Groves, Philadelphia; A. F. Cooper, Homer City; T. E. Orr, Pittsburg. Rhode Island: J. H. Adams, Pawtuckett. South Carolina: Francis D. Kendall, Columbia. Canada: Allan Bogue, London; Wm. McNeil, London. At Large: H. V. Crawford, Montclair, N. J.; M. B. Blauch, Lebenon, Pa.; Robt. A. Braden, Dayton, Ohio; Geo. E. Peer, Rochester, N. Y.; F. L. Mattison, S. Shaftsbury, Vt.; Theo. Hewes, Trenton, Mo.; John C. Crothers, St. Louis, Mo.; J. L. Cost, Hagerstown, Md.; D. M. Owens, Athens, Tenn.; Sharpe Butterfield, Windsor, Canada.

Finance Committee.—H. V. Crawford, Montclair, N. J.; Geo. G. McCormick, London, Canada; Philander Williams, Taunton, Mass.

Committee on Cups.—A. R. Sharp, A. C. Hawkins, H. V. Crawford.

Committeee on Revision of the Constitution and By-Laws.—D. L. Orr, F. W. Gaylor and Theodore Sternberg.

A committee of fifteen was appointed to revise the Standard as follows: A. R. Sharp, Philander Williams, G. O. Brown, T. F. McGrew, James Forsyth, J. F. Crangle, H. S. Babcock, J. Y. Bicknell, B. N. Pierce, J. H. Devenstedt, F. B. Zimmer, Sharpe Butterfield, A. F. Peirce, Theodore Hewes, H. A. Bridge.

Fattening Turkeys.

Turkeys will not fatten if confined in close coops, as they pine if deprived of liberty, but if several turkeys are confined together in a small yard for ten days they can be made quite fat in that length of time. Feed three times a day as much as they will eat, giving corn, meal, ground oats, middlings and ground meal, equal parts by weight, scalded, morning and noon, and wheat and corn at night. Keep a head of cabbage in the yard, also sharp gravel, ground charcoal and fresh water. A few turkeys can be fed with chickens, if preferred. It is not necessary to force them to eat.

Is Convalescent.

Dr. R. H. Evans, the venerable treasurer of the National Poultry and Pigeon Association, is now convalescing from a protracted illness, and, as his strength permits, he is answering letters from correspondents, answers having been delayed on account of his illness. He is still under advice from his physicians, but complete restoration is anticipated in a short time.

Knew His Business.

A Bangor philosopher baited a rat trap in his back yard, and observed the results. First one rat scudded across the grass and took an observation. In another minute a dozen little rats came trooping along with the evident intention of sampling the cheese. Just then a lean, long, gray old rat, with his tail chopped off, probably from a previous experience with traps, appeared and chased all the little rats away. The old fellow kept watch all the afternoon, and effectually prevented a single rat, young or old, from entering the trap.

WHO'S SHELLABERGER?
He's the Wire Fence Man, of Atlanta, Ga., and sells the best and cheapest fencing in existence for all purposes. Catalogue free. Write for it.

THE BLACK MINORCA.

A Well Constituted Fowl Bred for Beauty and Utility.

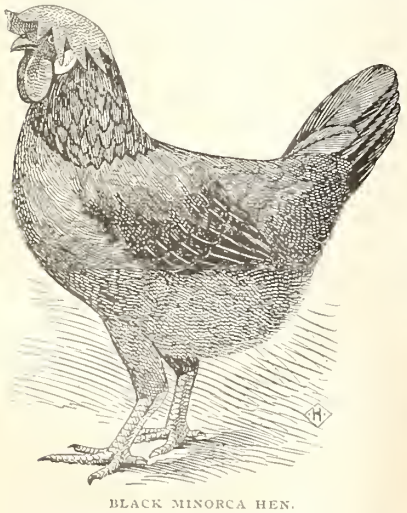
BY F H WOOD

THE origin of the Black Minorca seems to be a matter of considerable conjecture, some writers contending that the first specimens of the breed were obtained from the isle of Minorca, one of the Balearic Isles in the Mediterranean Sea, while others aver that they are an offshoot from the Black Spanish, and another theory is that they are the original Black Spanish. To my mind these speculations and conjectures are of little consequence, inasmuch as it is quite certain that the Black Minorca of the present day is a better and finer bird than its ancestor. Improvement has been made in size, constitution, beauty and utility, until to-day it is one of the hardiest, handsomest and most useful, as well as the largest non-sitting breed of fowls known to breeders and fanciers.

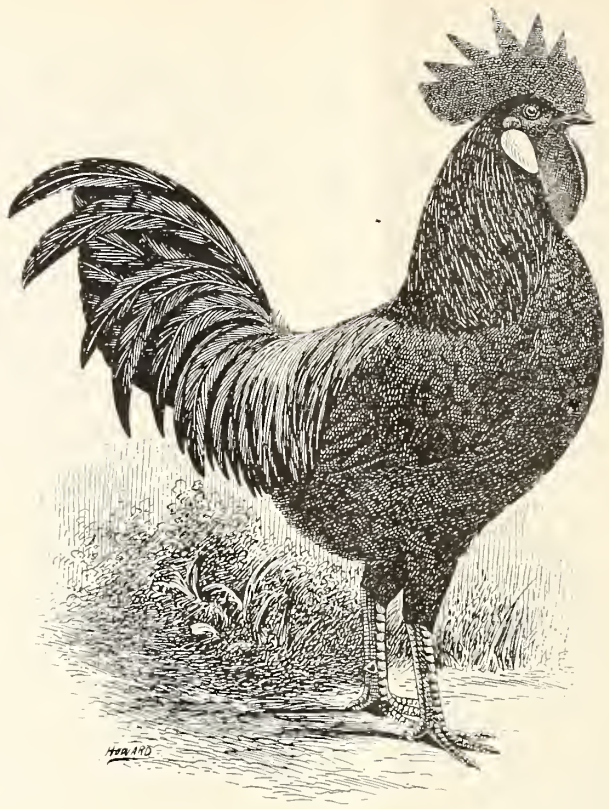
They found their way into America some twelve or fifteen years ago, where they have attained great popularity, the demand for choice specimens being greater than the supply. As producers of large white eggs, I know of no breed of fowls their equal. Major Morant says: "They are very hardy, and will live anywhere where fowls can be kept at all, and no hens of any breed have exceeded the number of eggs which some of these hens have laid."

For table use they are preferred in my family to the Plymouth Rock, the flesh being white or light colored, and of finer grain than the larger breeds, and have less offal. I am fully aware that as a market fowl they are not sought after as much as the yellow skinned varieties, although for table use they are not to be despised. Dr. Bennett says of them: "As table birds they hold a place in the very first rank, their flesh being peculiarly white, tender and juicy, and the skin possessing that beautiful, clear, white hue so essential a requisite for birds designed for the consumption of the gourmand."

As there is considerable being said and written in regard to type and shapeliness of the Black Minorca, perhaps the readers of THE FEATHER will bear with me if I give some of my notions in regard to this important matter. In the first place I have no use for the Leghorn-Minorca. It is my opinion that the Minorca should possess an individuality all its own, and to the extent that it will be easily distinguished from other breeds. The Englishman comes nearer doing this than the American. Our Standard of Perfection has wisely placed the weight for cock eight pounds, hen six and one-half pounds, cockerel six and one-half pounds, pullet five and one-half pounds, and I cannot see any reason why symmetrical, handsome and vigorous birds cannot be produced up to these weights.



BLACK MINORCA HEN.
Owned by P. H. McCormick.



BLACK MINORCA COCKEREL.

The beak of the male bird should be fairly long and stout, not too straight, and of dark horn-color. The head should be of medium length and broad enough to carry the comb erect. The comb should be single, fairly large, firmly set on head and carried erect, evenly and deeply serrated, having from five to seven spikes, although six seems to be the preference, but for a breeding bird I would select one with five or even four rather than a larger number. Comb should also be broad at base, tapering like a knife blade, straight in front and free from twists, thumb marks or hollows. It should be carried well back, curving to suit the shape of the neck, yet not touching the feathers. The texture of the comb should be moderately rough and free from side sprigs. Coral red—I do not like too dark red in comb, faces or wattles. A nice bright red suits me best.

The lobes should be of medium size, pure white and almost almond shape. In selecting a breeding bird I would have pure white lobes as prominent as possible. You will observe that a fine exhibition specimen does not necessarily make a fine breeder. The lobes should be free from wrinkles, set close to the head and of a kid-like texture. The eye should be dark and bright. The wattle should be in length to correspond with comb, nicely rounded at the ends and free from bunched or wrinkled appearance. Bright or coral red and somewhat rough in texture.

The face should be bright or coral red, as free from wrinkles, feathers or hairs as possible, and not the least suspicion of white to appear anywhere on its surface. Neck should be fairly long, nicely arched, with abundant flowing hackle-feathers reaching well down on the shoulders. Body should be reasonably long and deep and broad at shoulders, also back broad, long and rather flat, not at all "roach-back."

The tail should be full, sickles long, nicely arched and carried well back. Now, right here is another point where an exhibition bird and a breeding bird should differ. Our Standard calls for a tail carried upright. In selecting a breeder, I would prefer one that carried his tail very low, as high tails are altogether too numerous and are difficult to breed out.

The wings should be moderate in length, neat, fitting close to the body and free from light, gray or white feathers. The legs should be of medium length, black or dark slate color. I believe it to be impossible to prevent the legs from growing light in color as the bird ages. Plumage should be a brilliant glossy black throughout. There should be an abundance of saddle-feathers. I will not undertake a description of the female, as it does not differ essentially from the male, with the exception of the comb. In such a bird as I have attempted to describe is embraced, in my opinion, distinct type, beauty and utility.

DISEASES

CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Favus.

BY DR. D. E. SALMON.

THIS disease is popularly known as "baldness" or "white comb." It is caused by a fungus named the *Achorion Schonleinii*, which also attacks mankind, dogs, cats, rabbits and mice. When it affects people the disease is known as *tinea favosa* and *favus*, the tendency being to accept the latter name. The parasite was discovered in the disease of man by Remak in 1837 and more completely demonstrated by Schonlein in 1841. It was discovered as affecting cats by Jacquetant in 1847, and on mice by Bennett in 1850; while Gerlach, Muller and Leisering each published cases of it on poultry in 1858. Saint Cyr described the first case of favus on the dog in 1868 and in 1869 he discovered it on the rabbit.

Symptoms.—Favus is a disease of the skin which in birds generally commences upon the comb, or other fleshy parts of the head and gradually extends to and affects the skin of the body. In rare cases it begins upon the body before the head is affected. The disease manifests itself by small white or light gray, round or irregular spots, from the size of a pin head to that of a dime, that extend and increase in number, until nearly all of the skin of the affected part is covered. An examination of these spots shows that a thin scale or crust has formed on the surface of the skin. This crust often develops in round or concentric deposits, raised at the border and depressed at the center, giving to the spots a cup-shaped appearance. The crust increases in thickness until in the course of a month it may be one-fourth inch or more in depth. It is then of a dirty-white color, scaly and irregular on the surface. When the crust is removed the skin is seen to be irritated and slightly excoriated. The disease extends from the bare parts of the head to the parts of the body covered with feathers. The neck, the region about the vent, and the adjoining surfaces are soon invaded. The feathers become dry, erect and brittle, they break and fall off leaving the skin denuded and covered with crusts, which are often cup-shaped, having in the center the depression in which the feather was fixed.



Head and neck of a fowl affected with generalized favus.

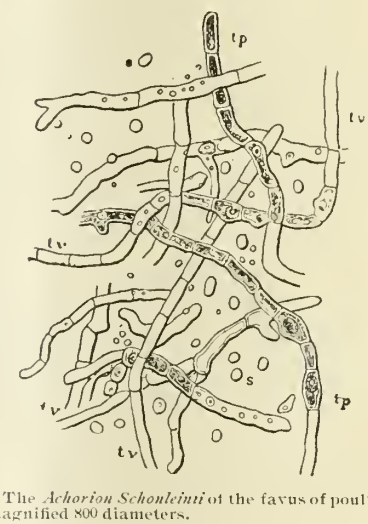
At first the general health of the bird is not visibly affected, it appears bright, eats well and conducts itself as usual. After a time, however, when a considerable area has been invaded, it manifests weakness, loses flesh, its appetite becomes irregular and it falls into a decline which continues until the forces of the body are exhausted and it dies. During the course of the disease the affected birds give off a disagreeable odor which has been likened by some to that of moldy cheese and by others to the exhalations from mice, cat's urine, or macerating animal substances.

Causation.—Favus is a contagious disease, and, as has already been stated, it is caused by a fungus which has been named *Achorion Schonleinii*. If a small particle of one of the crusts is taken, placed upon a glass slip and moistened with water or dilute acetic acid and submitted to microscopic examination at a magnification of 300 to 500 diameters, it is seen to be made up of threads or mycelium of the fungus held together by a thick, viscid, gelatinous substance which it secretes. Numerous spherical or ovoid spores are also visible both within the filaments and in a free condition. An examination of the feathers on the affected parts reveals the fact that the fungus has penetrated the shaft, filled it with crusts, and has in some cases even reached the barbs.

The disease may be inoculated from bird to bird, and probably also from mice, rats, rabbits, cats and dogs to birds. On the other hand, it may probably also be communicated from birds to these animals and to children. Some authorities consider the poultry favus a distinct form of the disease and not communicable to mammals, but the weight of evidence favors the conclusion that the disease in all of these species is identical and intercommunicable. Apparently a wound or abrasion of the skin is necessary to enable the fungus to obtain a foothold. The filaments and spores suspended in water have been placed upon the combs of poultry without effect, until the surface of the skin was scratched or abraded. As fowls come into close contact with each other and often have wounds of the skin from fighting or other causes, the disease spreads rapidly among them and unless proper measures are adopted for its arrest the results may be disastrous to the flock. Young birds appear to be more susceptible to this disease than old ones, and large birds particularly of the Asiatic breeds are predisposed to it though no varieties are altogether exempt.

Treatment.—Favus yields readily to proper treatment if it is not allowed to develop too far before remedial measures are applied. When confined to the parts of the head that are bare of feathers, it is not difficult to manage, but when it spreads to parts covered by feathers and also affects the plumage it becomes much more serious.

It is important that the remedy used should penetrate beneath the crusts to the skin, and to secure this the crusts may be rubbed off as thoroughly as possible with a blunt instrument such as the handle of a spoon. This should be done gently so as not to cause bleeding. After the crusts are removed dress the affected part once a day with any one of the following preparations: Tincture of iodine. Benzine 1 part, soft soap 20 parts; mix thoroughly before using. Or carbolic acid 1 part, soft soap 20 parts, to be well mixed. The carbolic preparations should not be applied to a large surface at one time as the acid may be absorbed and cause poisoning. A good ointment may be made with either calomel or red oxide of mercury 1 part to 8 parts of vaseline. If the above mentioned remedies fail a more active, but also more dangerous ointment may be made by mixing 3 grains of nitrate of silver with ½ ounce of vaseline. This ointment should be made by the druggist and carefully rubbed upon the diseased surface. Another remedy, which on account of its poisonous character should only be used as a last resort, is made by dissolving 10 grains of corrosive sublimate in an ounce of water.



The *Achorion Schonleinii* of the favus of poultry: magnified 800 diameters.

tv, empty tubes; *tp*, tubes filled with protoplasm and containing spores; *s*, isolated spores.

In the remedies here mentioned the means are provided for effectually arresting this troublesome malady and eradicating it from the poultry yard. If taken in time, the application of the milder preparations daily for a few days will be sufficient; but in case a number of birds become affected and particularly if feathered parts are involved, the more active agents will be required. It is, also, necessary to adopt sanitary regulations. The affected birds should be separated from the well ones, and the houses and runs should be disinfected with lime wash and carbolic acid solution.

A Volume of Art.

THE FEATHER is a volume of art and should be in every fancier's home. The only fault I find with it is you give too much for the money. Wishing you success, I am,

Very Truly Yours,

CHAS. H. A. MEYER.

The Feather,

Washington, D. C.

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GEORGE E. HOWARD, Editor.

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All matters intended for publication should reach us by the first of the month preceding the issue the same is to appear.
Write your name in full, giving full post office address plainly, so there will be no mistakes.
When writing for publication use only one side of paper. Brevity is the soul of wit.
Remittances should be made by postal note, postal money order, registered letter, bank draft or express money order.
All remittances should be made payable to
GEORGE E. HOWARD & CO.,
Room 353, Central Power Station,
Washington, D. C.

Entered at the Post Office at Washington, D. C., as second-class matter.

JANUARY, 1897.

5,012 for December.

I. R. Thomas, of the National Publishing Company, printers and binders, of Washington, D. C., being first duly sworn, states that his firm printed and bound five thousand and twelve (5,012) copies of the December number (1896) of THE FEATHER.

I. R. THOMAS.

Sworn to and subscribed before me this twenty-second day of January, 1897.

EDW'D N. LEWIS,
[SEAL.] *Notary Public.*

6,625 for January.

I. R. Thomas, of the National Publishing Company, printers and binders, of Washington, D. C., being first duly sworn, states that his firm is printing and binding six thousand six hundred and twenty-five (6,625) copies of the January number (1897) of THE FEATHER.

I. R. THOMAS.

Sworn to and subscribed before me this twenty-second day of January, 1897.

EDW'D N. LEWIS,
[SEAL.] *Notary Public.*

The New Feather. With this issue THE FEATHER appears in the form which we hope will be maintained in perpetuity. The generous, yet not too large pages, the charming frontispiece, the pleasing make-up, will all be appreciated by our many friends and patrons. We were in love with the form and general appearance of the smaller FEATHER with which we spent so many pleasant hours last year; and it was almost with a broken heart that we admitted the necessity of parting from it. But we are enchanted with the new FEATHER, which has been fashioned to represent our more mature ideas, and to fulfill the unexpected demands which have been made in such numbers upon our modest publication. We shall now be able to carry out to the fullest extent the plans which we have formulated for aiding and advancing the fanciers' interests, and for assisting in the development of the feathered industry in all its branches. Located as we are at the Nation's Capital we have been led to contemplate the production of, and the traffic in poultry, pigeons and other birds as a great national industry, ranking in importance with the greatest industries that this country possesses. As we have studied the questions connected with this enormous industry, our horizon has gradually receded and our range of vision broadened, so that we can no longer look upon these great questions from a local or narrow point of view. It is our aim to represent here at the Capital of this broad land of ours, the producers of poultry and pigeons who live in the East and in the West, in the North and in the South, to speak in the interest of all, and to labor for the benefit of all. With the thousands of readers whom we have already secured, and with rapidly increasing circulation, we realize that we have strength and influence which if judiciously used will be a power for educating the masses, and for securing due recognition for our industry. There is yet but a very small proportion of our people who realize the value of the improved breeds, or who understand the care necessary to secure profitable results. There are scarcely any of our legislators who know the magnitude of the feathered industry, and the fostering care which it should receive to make it yield the greatest good to the greatest number. There are none of us who appreciate the market for fine poultry which it is possible to develop in Mexico and the countries of Central and South America. In this field the mission of THE FEATHER is plain; and as with the generous patronage of our friends and co-workers its circulation widens and its influence increases, we promise that its efforts will be redoubled and every resource used to build up the industries which it represents.

* * *

Money in Poultry and Pigeons. There is a large percentage of profit in both poultry and pigeons if properly handled. Thousands of ladies, and boys and girls, succeed in this business as well as men and make a large income. But no one ever succeeded, or ever will succeed, without making a careful study of the essential points upon which the business depends. THE FEATHER is published in the interest of all who are trying to systematize their work, to cut down their expenditures and to increase their returns. We are spending thousands of dollars every year to obtain the latest and most reliable information from the best authorities, and thousands more in the best class of original illustrations to show how this information should be applied. All of this matter we give to our readers for fifty cents a year. We believe that we can show our readers the practical and profitable side of the poultry and pigeon industries; and that each number will make plain how to overcome some obstacle with which they have heretofore struggled in vain. The great demand for back numbers shows the value which is already placed upon the first volume. We regret that back numbers are very scarce and that we cannot furnish volume one hereafter, for less than one dollar. The back numbers of volume two are also rapidly disappearing and those who wish to preserve the valuable articles which we are publishing should subscribe now. Articles will not be reproduced and the only way to make sure of having them is to secure the numbers as they appear. We are now offering our new book the "The Poultry and Pigeon Fanciers' Companion and Breeders' Directory" and THE FEATHER for one year for 50 cents. Are we not doing our share to make the feathered industry a success? If we are, is it not to your interest to subscribe now and get the full benefit of our efforts? Those who wish to combine one or more journals with THE FEATHER, and obtain all at a reduced price, will do well to consult our clubbing rates which will be found in another column.

* * *

A Flourishing Industry. While some individuals have succeeded and others have failed in the poultry business in all periods of the development of the industry, there never has been a time since markets were established, when the industry as a whole failed to yield returns equal to or greater than other branches of agriculture. The census of 1880 gave the number of domestic fowls or chickens in the United States as 102,272,135, and the census of 1890 showed that the number had increased to 258,871,125. In ten years there had been a growth of the industry equal to 150 per cent. This growth has continued unchecked by the period of depression which has brought ruin and despair to so many other industries. If a census could be taken to-morrow, we should probably find that there are at present in the United States not less than 350,000,000 domestic fowl, or as they are generally called, chickens. Notwithstanding this enormous number, there are few of our large markets where strictly fine eggs, broilers, roasters and capons can be readily found at reasonable prices. Our people are learning that poultry products are the cheapest and most palatable forms of animal food and the demand for them is constantly increasing. Every year there is a larger proportion of our people willing to pay a fancy price for the freshest eggs and most toothsome poultry. We can, consequently, look forward to a long period of prosperity for the poultry industry. As the railroads increase their activity, as factories resume operations, as business generally improves, the markets for poultry products will become still more active. This revival of business has already begun, and poultrymen should make their preparations now to extend their operations in order to supply the increasing demand.

* * *

Why This Number is Late. The January number of THE FEATHER has been delayed a week after the proper time for its appearance. This is partly on account of our endeavor to do justice to the great Washington Show, and is partly due to the increased work thrown upon us in changing the form and make-up of our magazine. We feel that the reader will be fully compensated for the delay by the contents and appearance of this number. Hereafter, we hope there will be no occasion for apologies on this account, as we shall make every effort to meet the expectations of our subscribers in this and all other respects. We have not been able to answer the many letters received inquiring as to why the January FEATHER had not come to hand. They have become somewhat embarrassing to us, though it is pleasant to receive this evidence that THE FEATHER is a welcome visitor and one that is soon missed if it does not appear on time.

* * *

A Branch Office. Mr. D. Lincoln Orr, ex-secretary of the American Poultry Association, became identified with THE FEATHER on January 1, 1897, and will establish a branch office at Orr's Mills, New York. Mr. Orr is so well and favorably known that an introduction is unnecessary, and we would cordially recommend him to the fraternity.

HAGERSTOWN WINNERS.

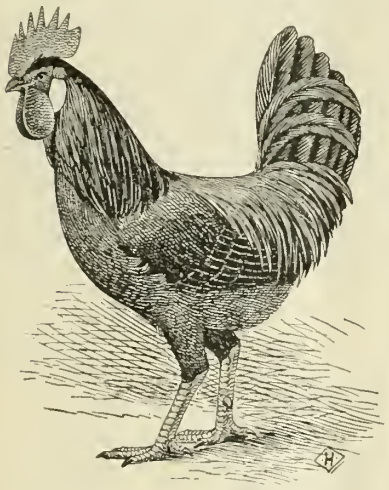
A Brief Review of Our Advertisers and Their Stock at This Event.

BY THE EDITOR.

[*Concluded from last month.*]

MINORCA breeders are in numbers at our shows now, competition is stronger and the birds are superior. Among our Minorca acquaintances we mention Mr. P. H. McCormick, Bel Air, Md. Mr. McCormick is making a specialty of these popular birds and the pace he has set is calculated to worry a great many of those interested in the breed. His first cockerel at Hagerstown was something to be elated over and the duplicate is a rare specimen. His honors were liberal and his exhibit was creditable to any exhibitor. We show a drawing of his first hen at Washington last year, and a good representation of his first cockerel at Hagerstown is shown in his ad. elsewhere in these pages.

While we are talking on Minorcas we will say something of those of Mr. G. W. James, Waterford, Va. Mr. James is a breeder of Black and White Minorcas, Barred Plymouth Rocks, Brown Leghorns and Pekin Ducks. To this quintet of varieties he devotes his time and labor, and their rapid advance to



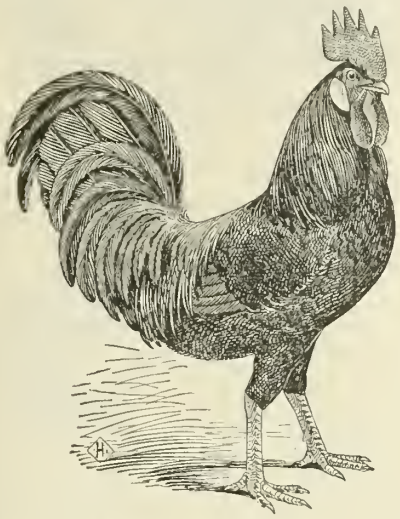
BLACK MINORCA COCKEREL.
Owned by G. W. James.

the front is due to his untiring efforts. Mr. James is an earnest fancier and delights in being with his birds. The cut of his cockerel is another of the characteristic drawings used to illustrate this article. As we have said before, our idea is to show the birds as they are, not as they are supposed to be. The action of this cut tells the story.

In this paragraph is shown a sketch of a feather from one of the Ridgely Barred Rocks. Just which one it is from does not matter, for you may take our word for it—they are all good. A year ago Mr. Phipps, the manager of Mr. Ridgely's farm, presented us with a full set of feathers, and we have used them as models for some important work we are doing on the Barred Rock. We have seen their birds as well as their birds' feathers, and they are typical birds of their class. Any time that you may wish good Rocks, write them at Towson, Maryland.



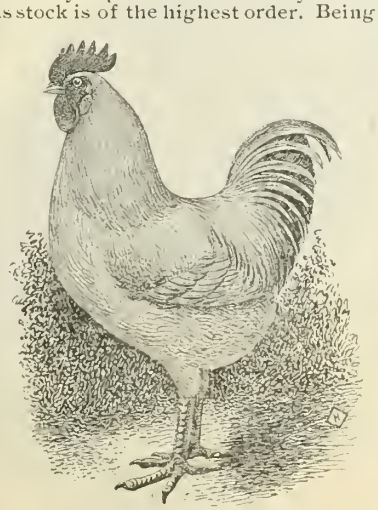
We show in illustration the Brown Leghorn cock, "King Humbert," owned



BROWN LEGHORN COCK, "KING HUMBERT."
Owned by Dr. H. W. Dorsey.

by Dr. H. W. Dorsey. This drawing is an excellent likeness of the bird, and to those who have been it, it will no doubt appear familiar. His perfect symmetry and general carriage is true to a point and no attempt has been made to give other than the bird itself; according to our opinion, that was good enough. There is no doubt about it but that the doctor knows the art of breeding Brown Leghorns for winners without altering their general utility as a profitable fowl. This variety he breeds exclusively and no time or patience is spared in strengthening his stock from year to year.

Another of our enterprising advertisers who won at this show is A. C. Treichler, M. D., Elizabethtown, Pa. Dr. Treichler breed Silver Sebright Bantams exclusively. With these little fellows he has won at a number of our shows in the East, and at Hagerstown he scored a sweeping victory. He won first on cock, cockerel, hen and pen; second on pullet and special for best pair Bantams other than Game. The doctor has many superb winners in his yards and his stock is of the highest order. Being a specialty, the little Sebright is bred in its purity, and its beauty is something wonderful. We congratulate him upon his successes and are pleased to know that he is offering some of his stock for sale to our readers.



BUFF PLYMOUTH ROCK COCK.
Owned by A. P. Ingram, Jr.

As a concluding paragraph to the exhibitors at this show we believe it would be unjust, to say the least, if mention was not made of Mr. A. P. Ingram, Jr., West Chester, Pa. Mr. Ingram's name is only associated with birds that stand in the front ranks of winners, especially those of the rich, buff and evenly-hued birds. We remember well his exhibit here last Winter, so we were not personally surprised at his great display at Hagerstown this year. If you will refer to list of awards in the November issue of THE FEATHER, you will see that he heads the list in Buff Cochins and Buff Plymouth Rocks. Mr. Ingram believes in choice birds and says he has no feed for birds that are not the "hot stuff." This latter phrase is his own method of expressing his appreciation of first-class birds. Those two words above quoted mean volumes to breeders of the buff varieties.

The Poultry Industry in France.

In France a large number of persons are engaged in the poultry business exclusively, and it is a well-known fact that the French are far in advance of us in preparing poultry for market. They make use of every portion of the fowl, even to the combs, which they pickle. The manner of obtaining fat, marketable poultry in France, is exclusively by the forcing process.

The usual plan adopted is to confine the fowl in a small stall in a hollow cylinder with fourteen faces five tiers high and three compartments in each face, making a capacity of two hundred and ten birds. The *gaveuse*, or feed pump, is an inexpensive machine, and in France you will find no farmer so poor but that he is equipped with pump and cylinder. The food is given in the form of soup. The advantages do not consist in the weight added or the rapidity of the process alone, but above all, in the special quality of the meat produced. It is solid, very tender, exceedingly fine grained, not over fat, very white in color and of a flavor exceptionally excellent.

The value of the poultry industry in France is about $100,000,000, with an annual output of about $25,000,000. The poultry fanciers of this country should take hold of this matter and make it at least a side issue in connection with breeding.

A Business Bringer.

LEESBURG, Va., Jan. 4, 1897.

Messrs. George E. Howard & Co.,
Washington, D. C.,

Gents: If convenient please drop from the varieties in my ad. in THE FEATHER the following: Indian Games, Pit Games, Buff Cochins, Golden Wyandots, Barred Plymouth Rocks, Black Minorcas, and Light Brahmas. I *must acknowledge* that THE FEATHER is a business bringer. Respectfully,

ISH C. MYERS.

Keep It Running.

Editor The Feather:

I expect to keep my ad. running in THE FEATHER, for I sold three of my Indian Games at long figures yesterday; also received the same day inquiries for Buff Leghorns, Buff Plymouth Rocks, and Indian Games.

Yours truly,
GEORGE SCHRADE.

Sykesville, Md.



CONDUCTED BY J. C. LONG, NEW YORK CITY.

PIGEONS AT THE CAPITAL.

A Creditable Showing of Feathered Beauties at the Washington Event.

REPORTED BY JOHN GLASGOW.

ON January 12, 13, 14, 15 and 16, the National Poultry and Pigeon Association held its Second Annual Exhibition of poultry and pigeons in the Center Market Hall, and although the exhibit of pigeons fell short of such shows as Boston Exclusive and New York, there was nevertheless a very respectable showing of those feathered pets of the fancy on hand. Judging by the crowd of visitors who lined the alleyways allotted to the pigeons, throughout the entire week the pigeons were a very attractive feature of the show.

A good classification was provided, in fact, they were put on an equality with the poultry and it surprised us somewhat that entries in some classes did not fill better; however, they were considerably in excess of last year's show and gives evidence that the Washington Show has come to stay and promises to be one of the principal fixtures in the country. Besides the money premiums offered by the society there was a long list of good specials, both in money and kind, put up for competition, but we consider it was a mistake of the managing committee of the pigeon department to confine a number of such specials to local exhibitors. This has a tendency in some instances of deterring the best class of exhibitors from putting in an appearance and in the interests and standing of the society should be obviated on another occasion.

As far as the management and attention to the exhibits in the pigeon department is concerned, Mr. Bardroff, the superintendent, was simply indefatigable in the discharge of his duties. Well, he is a fancier and that settles it, as no thorough fancier will let specimens that are entrusted to his care suffer for want of attention. We never saw feeding and watering more carefully seen to, and with regard to the latter the supply was renewed at frequent intervals, and prior to refilling, the tins were rinsed out, so that no impurities remained. Amongst the weak classes Carriers stood out prominent, there being only three specimens on view, a good young Black cock, exhibited by Havemeyer Brothers, and a pair of fairly good Duns. Pouters showed up better, bringing out twenty-three entries. Quality on a whole was not of a high order, but we noticed one Black Pied cock, a pretty typical specimen, good colors, fair girth and crop properties and stood upon a pair of good legs. Two Red Pied cocks were also the style we like to see and should get their owners some good stock.

There were nineteen Pigmy Pouters and most of them of good quality. The first prize Blue cock was indifferent in color, having too much white on shoulders, and had kitey bars. He was the smallest in the class, although the second prize bird was to our mind a better bird and a Pouter all over. In Blue hens first prize went to a youngster in first feather and although smaller than second is not so good a bird. White hens were the best class of the lot and especially the three placed birds. We liked second better than first and third prize bird although slightly stained on under mandible of beak, as good as either.

In the classes provided for Barbs, Dr. White, of Baltimore, had it all his own way, showing a nice team of sixteen birds although we noticed, like a true fancier who considers the welfare of his pets, he had sent a different string than he had at New York two weeks ago.

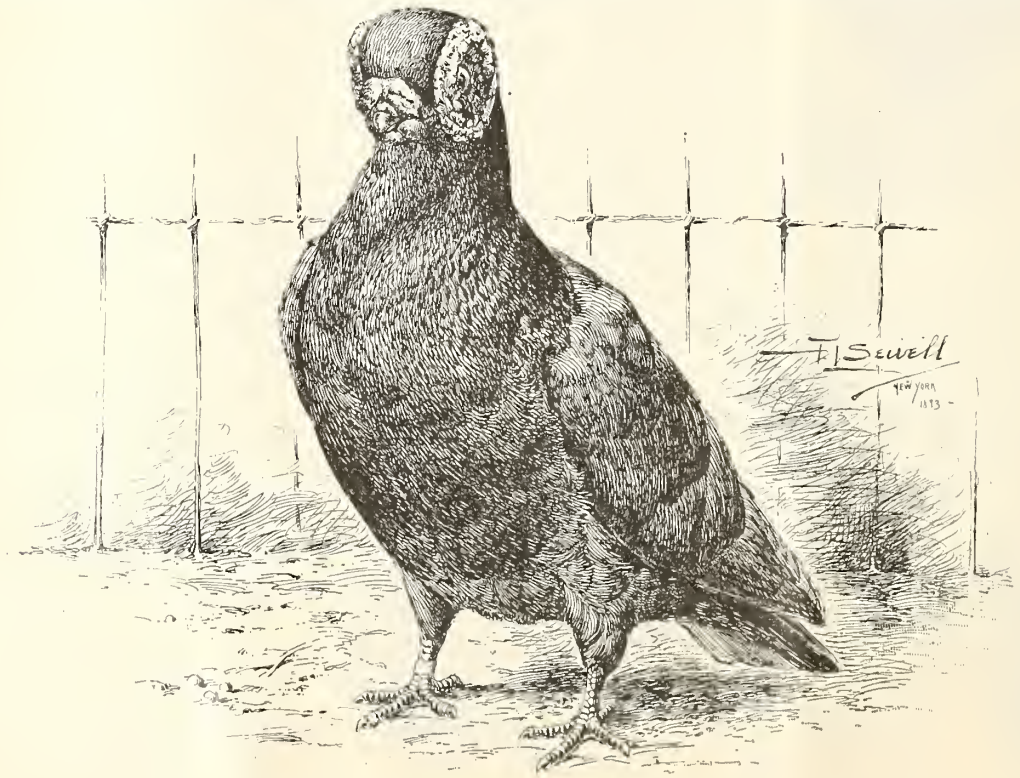
Tumblers were not only few in number, but we can't say very much in favor of them as far as show qualities go. The same may be said of Owls, both English and African. We suppose breeders of those varieties who trotted out their champions at New York are holding off and giving their birds a rest before the Boston fixture.

Mr. Rommel, of Baltimore, had a few nice Trumpeters on view.

In Fantails Messrs. Havemeyer Brothers, of Mountain Side Lofts, had on view a nice collection in all colors and secured everything in sight in the way of prizes.

There were quite a few Oriental Frills and Turbits, but we failed to note among them anything of exceptional quality.

Jacobins brought out a very nice lot of birds and the champion breeder of the



BLACK BARB COCK, OWNED BY DR. W. W. WHITE.

variety from Lebanon, Pa., M. B. Blauch, made the pace too hot for all the other competitors.

Magpies also showed up well and there were quite a few of the fanciers that showed exceptional good quality.

Swallows, Dragoons and Antwerps were small classes and the quality not of a high order.

The Archangels filled in both classes, cocks and hens, and Mr. Broemer had some very lustrous and typical specimens on view.

Frillbacks, Morecaps and Ice Pigeons were small classes, but fairly good in quality.

There were some rare good Homers exhibited, likely workers on a long trip.

Altogether the pigeon department was a feature of the show, and when another year rolls around we hope to see the committee better patronized by the leading lofts. We believe the Washington boys mean well and Washington is a good center to hold a show and spread the interest taken in the breeding of fancy pigeons, and there is no city in America with so many attractions where a pleasant week can be spent apart from the confines of the show room.

The Barb.

The Barb, or Barbary pigeon as it was formerly called, has claimed the attention of breeders for several hundred years. It is not only very popular in this country, but also in England, Germany, France and elsewhere.

Lovers of the Barb are constantly endeavoring to improve and extend the cultivation of this pigeon and that their efforts are meeting with general success is evidenced by the superior specimens to be seen at the principal shows, where a greatly extended classification is now provided.

In breeding Barbs the energies of breeders seem to have been concentrated on the head and beak properties, and color has received a secondary consideratiotion or no consideration at all.

Season of 1896.

HOMING PIGEONS ONLY

LOFT OF

T. Fred. Goldman.

"FRITZ"

..1694 .Dean St.

Brooklyn, New York.



I am booking orders now for my surplus young of March, April, May and June hatch—none later. Supply limited, and none need apply unless prepared to pay from $2.50 to $5.00 per bird.

Trained young and surplus breeding stock for sale in September and October of each year.



BENTON LOFT

E. P. NICHOLS & SON,
7027 Mitchell Avenue,
St. Louis, Mo.

HOMING PIGEONS ONLY.

350 Archangels For Sale!

☞ Unsurpassed value for the money at $3.00, $5.00, $7.00 and $10 per pair.



Show or Stock Birds...

Always on top wherever exhibited, and have won all honors in a class of 48 birds, which represented the several prominent lofts of America in 1895.

Dark or Light Bronze.

☞ Enclose stamp for reply. No postal cards answered.

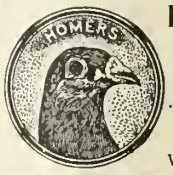
GEO. G. FETTEROLF
Langhorne, Pa.

One Moment Please.

Do not place your orders for youngsters until you see my 1897 catalogue, which will be mailed free upon application.

The Kingston Lofts,

Joseph A. Blankemeyer,
Proprietor.
1512 North 11th St., Philadelphia, Pa.



Homing Pigeons

Surplus youngsters for sale. A few pairs of breeders. First-class stock.

...Mt. Vernon Loft

917 I Street N. W.,
Washington, D. C.
W. H. KEYWORTH, Propr.

Money in Squabs

A book giving hints on raising Squabs for market, written by a successful Squab raiser. Contents—Breeding Houses, Food and Feeding—buying stock—best varieties to breed, breeding and management—dressing Squabs for market shipping and selling. Sent post-paid for 20 cents (silver). G. H. BRINTON, Elwyn, Penn.



HOMING PIGEONS

G. R. BAYLE,
1643 Race St.,
Phila., Pa.

Reliable Birds at Reasonable Prices.

HOMERS FOR SALE

Bred from breeders with records from 100 to 535 miles. My youngsters made 1826 yards per minute from 137 mile station. Also, choice Black Homers, imported and Taylor stock. Write for wants.

THE METTOWEE VALLEY HOMING LOFT,
S. A. HOWLAND,
Granville, N. Y.

FANCIERS

Here are Bargains in Tumblers:

Baldheads, Saddles, Magpies and Solid Muffed Tumblers in all colors; also, Crested Whites and Yellow Rose Wings. Have a few English and African Owls, Solid Colored Turbits, Magpies, Jacobins, Swallows, Barless Blue and Silvers, White and Black Barred. Won 25 premiums on my birds at the late Wisconsin State Fair.

Satisfaction guaranteed. Address, with stamp, C. F. CHAMBERLAIN, 1014 Bartlett St., Milwaukee, Wis.

White Scotch Fantails.

THE HOLBROOK LOFTS

Can supply these popular and beautiful birds for breeding or exhibition that are right in QUALITY and PRICE.

E. A. HOLBROOK, Winchester, Mass.

FOR SALE AT A SACRIFICE.

My loft of Record Homers, records from 200 to 506 miles, under National Federation rules and Capital City Flying Club rules. My stock is the best that money could purchase.

HOWARD C. WALL, 412 6th St., N. W.
For particulars, prices, etc., address
SAMUEL WALLACE,
114 D Street, N. W. Washington, D. C.



G. A. FICK

High-class Magpies ...and Swallows

In all Colors and Varieties.



1300 N. WASHINGTON STREET. BALTIMORE, MD.



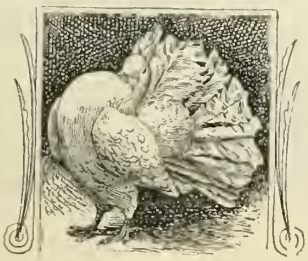
..THE MADISON LOFT..

Dr. C. H. A. MEYER,

BREEDER OF Oriental Frills Exclusively

1033 North Caroline St., Baltimore, Md.

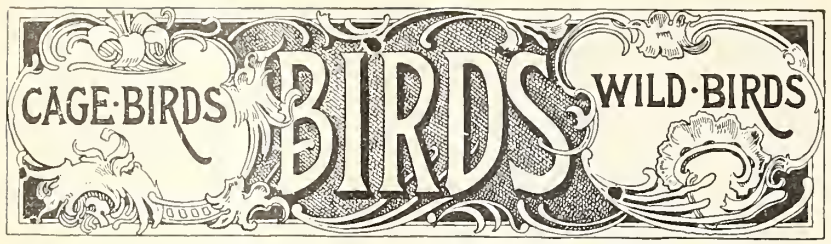
Birds Always For Sale.



Dr. R. H. Evans' Specialties Keeps No Others

Well marked and stylish Saddle-backs, Blacks, Reds, and Yellows. Also Tail-marked in Yellows, Reds and Blacks. Beautiful, stylish Fans in Whites and Blacks, Smooth and Crested, Plain and Booted. From the raising of young my loft is too full, so I propose selling some good birds to reduce it.

DR. R. H. EVANS,
1819 F Street. Washington, D. C.

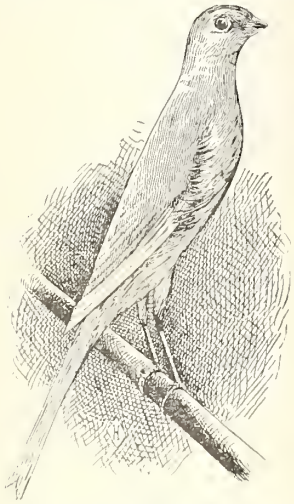


RARE SINGERS.

First Exhibition of the Baltimore Canary Breeders' Association.

THE first exhibition of the Baltimore Canary Breeders' Association was held in the city of Baltimore, December 14-18, 1896. The show was a decided success and much good is sure to result from the first effort. There were forty cages in the show room and each contained a St. Andreasburg canary of rare vocal powers. It was one of the grandest sights seen in this country in the way of fine birds, being a revelation to those who were in attendance. The wonderful voices of these little songsters seemed at their best, filling the room with volumes of sweet, delicious music, just such music as delights the average fancier of birds.

The birds were shown in exhibition cages made especially for the event by members of the society. The president,



ST. ANDREASBURG CANARY.

Mr. H. Hellmundt, designed and built the prettiest set of cages in the room. They were of excellent construction and artistic in every way. The cages were grouped on a handsomely decorated platform, with palms, bunting and other decorations.

There was close competition for honors and it was with great difficulty that the judges could place the awards. Honors were given for song only without any regard to color or markings, the first prize being a handsome silver cup; second prize, silver cup, and third prize, diploma. The judges were Prof. J. H. H. Maeuner, Morris Lansburg and Jacob Fritz.

The first honors fell to a bird bred by Mr. Chris. Bohn. This bird is said to be one of the finest singers of the day. The judges say that no fault can possibly be found with him, his song is low, sweet and musical, excellent in modulation and clearness. The second award fell to Mr. Anton Homburg. This bird was a close second to the first. In song it was nearly as good as the first, excepting not so soft or sweet. It was a difficult matter to place the third award. The judges were in doubt as to whether the third bird should have second honors and the second bird third honors, and after much deliberation and thought placed the third ribbon on a bird belonging to Mr. Fred Dettmar. There was very little difference between this bird and the second prize one.

The officers and members of the society are as follows: Messrs. H. Hellmundt, president, Frederick Dettmar, secretary, Christian Bohn, treasurer, and Messrs. Joe Schmid, Fred Knabe, George Brehm, William Schmid, Lewis Scriba, Nic Miller, G. A. Fick, George Haffer, William Rothman and Anton Homburg.

The Mid-Continental.

Editor The Feather:

On Wednesday, December 23, the doors of the five-story double structure between 12th and 13th on Main, were thrown open to the general public, inaugurating the third annual show of the Mid-Continental Poultry Association. The weather during the continuance of the show was all that could be desired. In Kansas City the chilling blasts of Winter are seldom felt until January and frequently, as in the case of 1895-6, the entire season is mild and Spring-like.

While there was not a marked difference between the last and first shows of this association as to quality, the number of entries this year was largely in excess of former years. That the "Mid-Continental" has become a fixture there remains but little doubt.

In addition to the complete display of poultry, there were other interesting features that tended to make the '96 show a memorable one. Taken all in all it was doubtless the largest, most complete and varied collection ever shown in the West and possibly in the United States.

The principal exhibits were Plymouth Rocks, Cochins, Wyandots and Leghorns, and competition in each class was keen. Mrs. M. A. Kimmel, of Kansas City, had a magnificent lot of English Buff Cochins on hand and received nearly all of the honors in that class. This lady occupies a relative position in this country to that accorded Mrs. Harris in England—the queen of Buff Cochin breeders. In the other Cochin classes the quality was excellent. Mr. William McNeil, of London, Canada, had a large collection of White Cochins, and they were by far the best ever shown in this locality. In Plymouth Rocks and Leghorns the same rivalry for first place existed that characterized former Mid-Continental snows. The Wyandots were numerous and the Games especially fine. In Pit Games, W. B. List, of Odessa, Mo., and James M. Barker, of Nashville, Tenn., had a splendid lot of birds, the former's Hennies and the latter's "Tomahawks" being invincible. Light Brahmas were a large class, and Theo. Hewes, the ex-secretary of the American Poultry Association, was a prominent exhibitor. By-the-way, Mr. Hewes is one of the "Mid-Continental's" most valiant supporters.

On the second floor were shown Frizzles, Sultans and other rare specimens. The Sultan first attracted my attention in Wright's Book of Poultry, about twenty years ago. While it is diminutive in size—a trifle larger than a Sebright—it is very handsome and would attract attention anywhere.

George Ewald, of Cincinnati, had a large collection of pigeons, pheasants, fancy ducks, ornamental birds, etc., and won many prizes. Dr. G. W. Davis, the "Mid-Continental's" hustling president, exhibited a lot of Crevecœurs, which attracted much attention. I have noticed that this breed has become quite rare in America; years ago it was very popular.

On the third floor, besides the numerous varieties of poultry, was given a most unique entertainment, and one that pleased the little ones immensely. It was given by a chicken orchestra. In a large box arranged like a stage were several roosters, each dressed in a flashy uniform and playing a musical instrument. While they played in perfect unison, it was difficult to tell whether the music was good or not on account of a music box accompaniment.

The top floor was devoted to miscellaneous exhibits and poultry journals. The incubator display on this floor was large and apparently satisfactory to the exhibitors, as hundreds of chicks were produced by them each day.

This year's show contained by far the largest and finest display of birds ever seen here. It consisted of partridges, Key West quail, California quail, East India doves, White Sacred doves, etc.

William McNeil, of Canada, for three successive years has been awarded a $700 piano for the largest and best collection.

A strong sentiment is crystalizing in favor of the "Pallaseum," a great structure to be erected here for conventions and exhibitions of every kind. It is likely that this building will be completed in time for next year's show, when the entire exhibit can be shown on one floor.

JNO. J. CASSIDY.

Kansas City, Mo.



EGGS $2.00 per 13
$5.00 per 40

S. C. BROWN AND BUFF LEGHORNS

Our Winnings at the Great Rochester Show, Dec. 18-22, 1895.

ON S. C. BROWN LEGHORNS—1st and 2d on cocks, 94, 93½. 1st, 2d, 3d, 4th and 5th on cockerels, 95, 94, 94, 93½, 93½. 1st, (2d tie), 3d, 4th and 5th on hens, 94½, 93½, 93, 93, 93. 1st, 2d, 3d, 4th and 5th on pullets, 95, 95, 94½, 94½, 94½. $25 cup for highest scoring, 15 in class. $10 cash special for best 10 in class. $10 cash for best exhibit of Leghorns. $5 cash sweepstake, best male. $5 cash sweepstake, best female. 1st and 2d on pens, 136 in class.—GEO. O. BROWN, Judge.

ON S. C. BUFF LEGHORNS—2d on cock. (1st tie), 4th on cockerel. 2d on hen. 4th and 5th on pullet. 2d on pens. 2d on collection. Tie first sweepstake, best male.—GEO. O. BROWN, Judge.

BRACE & WALLING, Victor, N. Y.

THE BUSINESS WORLD

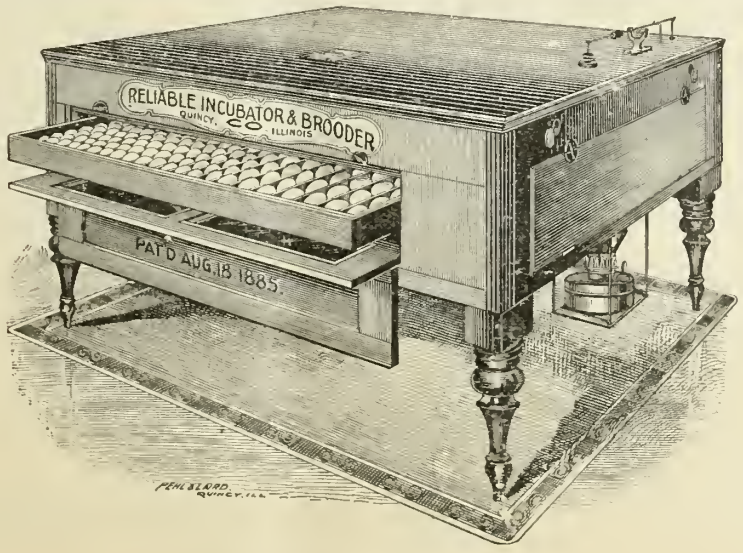
As Viewed From the Columns of The Feather.

THE RELIABLE.

The Reliable incubator was invented and patented Aug. 18, 1885, over eleven years ago. Machines bearing this name and manufactured under letters patent No. 324,390 have been in use during the entire eleven years. They have been a practical success during this period, but improvements have been added from time to time, keeping pace with the development of the art of incubation as worked out in actual experience. The new style self-regulating Reliable incubator of 1897 is quite a different looking device from the original Reliable of 1885. The foundation principles of the old machine have been carefully retained and its chief merit, simplicity, has not been sacrificed, but improvements of much value have been added until it stands to-day a complete artificial hatcher, correct in principle, simple, practical, easy to operate, durable in construction and guaranteed to be self-regulating. It is not claimed that the Reliable incubators and brooders are the only practical machines made, but the manufacturers do claim, and we have every reason to believe them, thoroughly good and one of the best. Their prices are fair for first-class goods, and when going into artificial incubation and brooding, the best machines are the best. Every machine sold by this factory is positively guaranteed, and money will be refunded when their goods are not found as represented.

The Reliable incubator is built after the most approved fashion, and no slight in workmanship is to be found anywhere in its construction. The sides and back of the case of each machine consist of double walls, lined with double thicknesses of compact, double red resin cardboard, with a one-inch warm air space between. Both the outside and inside casings are of solid lumber. The tank is covered with two thicknesses of cardboard, a second covering of matched flooring, a third covering of cardboard, and a fourth covering of matched flooring three inches wide. The bottom floor is of two thicknesses, with cardboard between each layer, the layers being of tongue-and-groved material, four inches wide and seven-eighths of an inch thick. The front of the machine has two separate doors, the inner one having glass panels, which enables the attendant to observe the thermometer in its position in the egg-tray without opening the egg-chamber and exposing the eggs. The outer door is of wood and closes snug and tight, the edges lapping all the way around against a half-inch joint, thus excluding all air except that which is admitted, under control, by means of ventilator openings.

The material used in tank and boiler is twelve ounce, cold rolled builder's copper. Each boiler, or tank, regardless of the size of the machine, is three and one-quarter inches deep, and this interior arrangement of tubing, lying near the bottom of the tank, is constantly covered with water. The hot air is brought into the tubing in tank direct from the heat receiver, which covers the upper portion of the lamp like a chimney. At the top of the lamp flue radiation takes place, and as the air becomes hot it is carried to every part of the tubing alike. All surplus heat is exhausted at the end of the outlet pipe. In order to still further equalize the heat, the first section of tubing, or the part nearest the source of heat, is made of double thickness. Every portion and part of the tank, or the egg-chamber underneath the tank, will show the same degree of temperature.



THE RELIABLE INCUBATOR.

THEY ARE VALUABLE.

Mr. Chas. E. Long, the well-known druggist of Lancaster, Pa., is selling some of the best remedies to our knowledge for poultry and pigeons. These remedies have been before the public for a number of years, and the kind words of praise spoken in their behalf by the breeders and fanciers who have used them attest their value. A list of the remedies is published in his ad. in this number. Besides this list he has a remedy known as "Victor Chicken Tablets," a valuable remedy for diarrhœa, cholera and roup. It is a good thing and we recommend it to our readers for a trial. Write Mr. Long for a full list of his remedies and prices, and maybe he will save you many valuable birds that you might lose for want of proper remedies for their ailments.

GOOD FOR A STARTER.

One of our nearby advertisers is Mr. George Schrade, Sykesville, Md., a breeder of Cornish Indian Games, Buff Leghorns, Barred, Buff and White Plymouth Rocks and fancy pigeons. Mr. Schrade is an enthusiastic and successful breeder and fancier, and is gradually winning his way to the front. He writes: "I have about 250 of the finest young chicks that I ever raised." This should be good news to those who are in search of choice birds for breeders as well as for exhibition. At the Mt. Gretna show last August he won a premium on every entry, winning on Cornish Indian Game cock, third; on hen, third; on cockerel, second; and on pullet, third. On Buff Leghorns he won fourth on cockerel. His birds are entered for the Washington show and they will undoubtedly give a good account of themselves. See his ad. elsewhere in this issue and write him for prices.

The West Chester Show.

The fourth annual exhibition of the West Chester Poultry Association opened in earnest in the Tattersall, West Chester, Pa., on December 16, 1896. It was all music, dear to the heart of the chicken fancier and especially to the possessor of a batch of the well-groomed birds. The exhibition, so far as this display is concerned, was as far in advance of those of the past three seasons as could well be imagined. Blue, red, yellow and green ribbons tacked to the coops indicated the first, second, third and fourth premiums as awarded by the judges.

The judges were Sharpe Butterfield of Canada, and J. H. Drevenstedt of New York, and every exhibitor was perfectly satisfied with the decisions reached by them.

There were 1,800 birds on exhibition, and it was said by all in attendance that they were very fine specimens of the feathered tribe.

The Barred Plymouth Rock class was a fine one, having in it 125 birds of the finest quality. The largest exhibitor in this class being E. S. Hickman of Cheyney, Pa., he having about fifty birds on exhibition of fine quality. Among the other exhibitors were W. H. Ellis of Port Carbon, Pa., Vallie Hawkins, M. D., of Fawn Grove, Pa., and A. G. Oliver of Newark, Del.

The Light Brahmas were away up on the top round of the ladder. John L. Cost of Hagerstown, Md., carried away the blue ribbon for best pen, closely followed by W. R. Hibberd of Frazer, Pa.

Buff Plymouth Rock class was a warm one, and one in the race had to have a good bird to stay in to the finish. "Hot Stuff" Ingram was on hand and took the lead and kept it to the finish.

The Wyandots were numerous and of fine quality. The Games were very fine, both in standard and Pit Games. The Indian Game class was well filled, among them being some of the winners at Washington, D. C., and Hagerstown, Md., shows; they secured the top place again. W. W. Woodward's White Indian Game cocks took the top prize and many specials.

The Bantam class was a very large one, among the exhibitors being C. T. Cornman of Carlisle, Pa., Geo. Corson of Plymouth Meeting, Pa., Dr. E. H. Witmer and Son of Neffsville, Pa., and F. A. Pierson of Winchester, N. H.

Buff Cochin class was very strong, some fine specimens being on exhibition. A. P. Ingram, Jr., of West Chester, Pa., better known as "Hot Stuff," was on hand and carried off the top prizes in this class. W. W. WOODWARD.

CLASSIFIED ADVERTISEMENTS

Fully prepaid advertisements of six lines or less inserted under this heading at the following rates:

One time	$ .50
Three times	1.00
Six times	2.00
One year	4.00

PLYMOUTH ROCKS.

PLYMOUTH ROCKS—Barred and White. Hundreds of fine breeding and exhibition birds for sale; bred in line for years from high scoring stock. Also Buff Cochin Bantams. Write for prices on what you want and mention THE FEATHER. F. J. MARSHALL, Sunny Side, Ga.

RIDGELY'S BARRED PLYMOUTH ROCKS are going to the front. They have won wherever shown, and are going to win again. Birds and eggs for sale. JOSEPH PHIPPS, Manager, Towson, Md.

WILSON'S FIRST PRIZE WINNING BUFF PLYMOUTH ROCKS. Wo d's Fair, '93; Troy, N. Y., '94; New York, '95. At the recent New York Show won 1st, 2d and 4th cock; 1st, 3d and 4th hen; 1st and 3d cockerel, and 3d and 5th pullet. Eggs, $5.00 per 13; discount on two or more sittings. J. D. WILSON, Box 127 C, Worcester, N. Y.

BUFF PLYMOUTH ROCKS EXCLUSIVELY Clean sweep at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

THREE FINE BARRED PLYMOUTH ROCK YEARLING COCKS for sale cheap; also, cockerels for sale. Thompson and Bradley Bros.' strains. Barred Plymouth Rock and Buff Cochin eggs for sale in season. J. C. ADAMS & BRO., 66 Cabell St., Lynchburg, Va.

PROOFS OF BREEDING furnished when desired, showing there are no finer Blue Barred Plymouth Rocks in America than ours; noted for health and vigor gained by range on 1,000-acre farm until matured. Other valuable information sent. BLENHEIM POULTRY YARDS, Richmond, Va.

WHITE PLYMOUTH ROCKS. Partridge Cochins. Winners at 4 Indiana fairs, including Indiana State Fair. Grand exhibition and breeding cockerels and pullets for sale. State your wants and write for prices. Eggs, $2.00 per 13. Satisfaction guaranteed. ALBERT M. BLACK, Greencastle, Ind.

BARRED PLYMOUTH ROCKS—Yards headed by prize winners. Also, Single Comb Brown Leghorns and White Wyandots. Best strains. Eggs, $1.50 per 13. Orders booked now. J. H. SHERWOOD, Glenville, Conn.

HILLSIDE POULTRY YARDS—Geo. Schrade, Sykesville, Md., breeder of thoroughbred Buff, Barred and White Rocks, Buff Leghorns and Cornish Indian Games. Show birds a specialty. Breeding stock at reasonable prices. My stock is second to none. Satisfaction guaranteed.

FREDERICK E. COLEMAN, breeder and shipper of Barred Plymouth Rocks exclusively. Eggs, $1.25 per 13; $2.00 per 26. Box 22 A, Manchester Green, Hartford Co., Conn. Mention The Feather.

LEGHORNS.

S. C. WHITE LEGHORNS. Have been a breeder of this beautiful variety for twenty years and can sell you the best of breeding in *Choice Show or Stock Birds* at reasonable prices. DR. W. A. GIBSON, Jackson, Mich.

S. C. B. LEGHORNS—Winners at Rochester, Hamburg and Binghamton. Rich color, pure white lobes and true Leghorn shape. A fine lot of youngsters ready for the early shows. Mention The Feather. W. B. GERMAN, Specialist, Dansville, N. Y.

S. C. WHITE AND BUFF—About 75 of those pure white and fine even buff winners at the Frederick Show. Stock from the best strains in the country for sale cheap for quality. Also, a few fine Light Brahmas and S. C. Brown Leghorns. HAMME BROS., Smith's Station, York Co., Pa.

FOR SALE AT A BARGAIN—Eight Brown Leghorn pullets and one cockerel; $5.00 will buy them. Two pullets and one cockerel, Golden Wyandots, at $1.00 each. A few Partridge Cochin cockerels and a few S. Bantams cheap. One St. Bernard puppy, $25.00, or will exchange for chickens. HENRY BUSSA & SON, Creston, Ill.

WAYNE POULTRY YARDS, Coatesville, Chester Co., Pa., J. H. Scherer, Prop.—S. C. B. Leghorns exclusively. Prize winners wherever shown. Stock and eggs for sale at all times. Write for prices. Mention The Feather when writing. Also Gordon's Poultry Food for sale.

LEGHORNS A SPECIALTY—White, Brown' Black, Dominique and Silver Duckwings' Winners at the leading shows. At the recent Wilkes-Barre Show I had 16 entries, won 16 prizes; 12 1sts, 2 2ds and 2 3ds. Some fine stock for sale. Eggs in season. Write for prices. GOOD WILL POULTRY YARDS, 413 North 10th St., Allentown, Pa. Wm. H. Heimbach & Co.

W. A. PIERCE, West Chester, Pa.—Rose Comb Brown Leghorns exclusively. Breeding and exhibition birds for sale; also, eggs in season. 1st pen, West Chester, Pa.; 2d on cockerel and 3d on pullet, Pottstown, Pa. Write for prices. Mention The Feather.

BRAHMAS.

DR. S. C. MOYER, Lansdale, Pa. Breeds L. Brahmas, B. Cochins, B. P. Rocks and W. and S. Wyandottes. Choice stock for sale.

LIGHT BRAHMAS. STEPHEN SPENCER, Morris Plains, N. J. Originator and breeder of the famous Duke of Morris Strain of Light Brahmas. Eggs $2.00 and $3.00 per sitting. Buff Pekin Bantam eggs, $3.00 per sitting. Buff Cochin eggs, $4.00 per sitting. Light Brahma cockerels, $2.00 to $5.00. When writing for wants mention The Feather.

STOCK FOR SALE! Young and old—R. C. and S. C. Brown Leghorns for sale at $1.00 each; this includes our breeding stock and offspring for this year. Will also sell Light and Dark Brahmas, Buff and Partridge Cochins at reasonable prices. This is our best stock, of which we have more than we care to keep over. Everything guaranteed. MIKADO POULTRY FARM, Charlotte, Mich.

KAUYAHOORA FARM—Light Brahmas of finest quality, choice chicks now ready for delivery. Exhibition and breeding birds at hard-time prices. Write for wants. Can give you bargains for next thirty days. Three pairs White Game Bantams cheap. G. S. MOORE, Trenton Falls, N. Y.

L. H. MORSE, Newark, New York, originator and breeder of the famous Imperial strain of Light Brahmas. Immense in size, typical in shape, grand in color, and profuse middle-toe feathering. Exhibition and breeding birds for sale at all times. Eggs, $3.00 per 13. Satisfaction guaranteed or money refunded. Correspondence solicited.

LIGHT AND DARK BRAHMAS. W. Q. Minturn, Warwick, Orange Co., N. Y. At the great Orange County Fair—Pen Light Brahmas, second; pen chicks, first; hen, second; pullet, second; cockerel, second; pen Dark Brahma fowls, first; pen chicks, first; hen, third; in competition with our best breeders.

COUNTY LINE POULTRY YARDS breed the choicest strains of Light Brahmas, Barred and White Plymouth Rocks, S. C. Brown Leghorns, Mammoth Bronze Turkeys, Toulouse Geese and Rouen Ducks. Stock for sale. Eggs in season. Send for price list, with prizes won. A. G. BARLOW, Millers, N. Y.

LIGHT BRAHMAS, White Plymouth Rocks and White Guineas. A choice lot of cockerels for sale, scoring from 90 to 94 points. Prices from $2.00 to $6.00. Duplicate score cards sent on request. MRS. LIDA DAVIDSON, Box 382, Eureka, Woodford Co., Ill.

D. P. SHOVE, Box 666, Fall River, Mass.—Breeder of Light Brahmas, Barred P. Rocks, Buff Wyandots, Houdans, S. C. W. Leghorns, Buff P. Bantams and Pekin Ducks. A few good birds for sale. Eggs, $2.00 for 13 or $5.00 for 39.

GAMES.

CORNISH INDIAN GAMES that took money premiums on every entry made (5) at the Mt. Gretna (Pa.) Show. I have a fine lot of Games to sell, and can please you. Write for your wants. GEO. SCHRADE, Sykesville, Md.

ADDRESS J. G. B. ERWIN, Erwin, Gordon Co., Ga., breeder of pure blood White and Cornish Indian Games, White Holland and Bronze Turkeys, S. L. Wyandottes, Brown Leghorns, Pekin Ducks and Berkshire Pigs, from registered stock.

SINGLE EXPRESS RATES—Games, Heathwoods, Irish, B. B. Reds, Tornadoes, Irish and Mexican Grays and Cornish Indians. Free illustrated circular. Starvation prices. C. D. SMITH, Fort Plain, N. Y.

CORNISH INDIAN GAMES from River-View Poultry Yards are prize winners. Nothing but the best. Stock and eggs for sale. Also, breed Black Minorcas, Light Brahmas and Barred Plymouth Rocks as good as the best. Write what you want. H. M. CARPENTER, Proprietor, Sing Sing, N. Y.

WYANDOTS.

WHITE WYANDOTS, Golden Wyandots, White Plymouth Rocks, Partridge Cochins, Buff Cochins, Buff Leghorns, S. C. Brown Leghorns, S. C. White Leghorns, R. C. White Leghorns, Pekin Ducks. Stock for sale. Circular free. Show record unsurpassed. Eggs, $1.50 per 13; $8.00 per 100. P. L. DWIGHT, De Ruyter, N. Y.

GOLDEN AND PARTRIDGE—The latest variety of Wyandottes. Place your order early and get in the swim. 200 chicks to select from this Fall. Old and young stock in Golden Wyandottes for sale at all times. Write for circulars and prices, stating wants. GUS. HALTEMAN, Tiffin, O.

S. L. WYANDOTTES—Thoroughbreds only. Fine healthy stock, having free range on 100 acres. Cockerels, $1.00, $2.00 and $3.00; pullets, $1.00 and $2.00. Eggs in season, $1.00 to $2.00 per sitting, according to matings. J. M. HAMBLIN, Highlawn Farm, Vienna, Fairfax Co., Va.

FOR SALE—10 White Wyandotte Cockerels direct from John B. Felt's strain. Won 1st on cock, 1st and 2d on hens, 1st on cockerel, 1st on pullet, at Madison Square Garden, New York, February, 1896. Birds are large and fine. Buff Plymouth Rocks, English Red Caps, Black Minorcas, Buff Leghorns. The best of strains. Write your wants. C. E. VASS, Washington, N. J.

BARKER'S SILVER WYANDOTTES won four 1sts and one 2d at Syracuse, and four 1sts and three 2ds at Rochester, 1896. Good breeding cockerels and pullets at $1.00 to $3.00 each. Circular free. ROBT. J. BARKER, 280 Monroe Ave., Rochester, N. Y.

WHITE WYANDOTS EXCLUSIVELY—Winners of highest honors at Trenton, etc. Extra fine single, pairs, trios and breeding pens that must go at once. Write for prices to-day. Great bargains. CHAS. NIXON, Box C, Washington, New Jersey.

WHITE WYANDOTS (brown egg strain)—I have for sale some splendid cocks and cockerels at reasonable prices. I guarantee all stock to be as represented and will refund the money and pay express charges one way if you are not satisfied. W. B. EASTMAN, St. Johnsbury, Vt.

$1, $1.50 and $2 each, cockerels, pullets and yearlings, Silver and White Wyandots, Indian Games, Buff Cochins, Buff, Brown and R. C. Leghorns and R. C. Black Minorcas. 15 fine Silver Wyandots from Mattison's eggs. F. H. DAVEY, Minisink, N. Y.

COCHINS.

H. A. LOGUE, Hagerstown, Md.—Buff Cochins exclusively. Winners at Mt. Gretna, Pa., Carlisle, Pa., and Hagerstown, Md., 1895 and 1896. At Hagerstown, 1896, with 3 entries, won 1st on pullet, 2d on cock and 2d on pen. Eggs, $2 for 13.

FRANK E. SILLOWAY, Newburyport, Mass. Breeder of choice Partridge Cochins and Light Brahmas. 50 cockerels for sale from my prize winners at Malden and Amesbury; judges, N. A. Knapp and I. K. Felch.

CLOSING OUT SALE—All my Washington, New York and World's Fair prize and breeding Buff and White Cochins, comprising 10 cocks, 75 hens one year old. 4 extra show cocks, price $7.00 to $10.00 each. 200 early hatched chickens, price $2.00 to $5.00 each. R. P. THOMPSON, Patterson, N. Y.

MINORCAS.

EGGS from Washington prize-winning Black Minorcas. Orders are now booked for the Spring egg trade; be sure you are not left. Stock always for sale. Write for prices to P. H. McCORMICK, Bel Air, Harford Co., Md.

WHITE MINORCAS—At Rochester, December, '95, won 1st on pen, 1st on cockerel, 1st and 2d on pullets; at Syracuse, September, '96, won 1st on pen, 1st on cock and hen, 1st on cockerel and pullet. 100 fine chicks for sale. MRS. JAMES OSBORNE, Box O, Fabius, N. Y.

WM. SCHMIDT, breeder of high-scoring Black Minorcas, 200 S. Meridian Street, Indianapolis, Ind. Eggs in season.

POLISH.

J. W. BRUCKART, Lititz, Pa., White Crested Black, Plain, Golden and Buff Laced Polish. Highest honors at Mt. Gretna, Allentown and Hagerstown this Fall. At Hagerstown I won seven 1sts and three 2ds, on ten entries; also, the Special for best pair of Polish in the Show. Stock for sale. Eggs in season.

POLISH—S. F. Gulliford, Akron, Ohio., "The home of the Polish fowl." White Crested Black, Bearded Golden, Bearded Silver and Bearded Buff Laced Polish. For the last twelve years my Polish have stood without a rival at our greatest exhibitions.

LANGSHANS.

MRS. J. J. HAYSLIP, Bartlett, Tex., breeder of high-class prize-winning Black Langshans. Eggs in season, $2.00 per 13. Price of fowls, a matter of correspondence. My birds are from the well-known breeders, Wm. M. Hughes, Albert Lemen and Mrs. M. A. Smith, mated for the best results by H. B. Savage.

MAPLE VIEW FARM, Hopkinton, N. H. Headquarters in New Hampshire for Black Langshans, Black Minorcas, Barred Plymouth Rocks, the three leading varieties of the world. My stock is equalled by few and excelled by none. Enclose stamp for circular. W. T. GREENE.

SUPERB TRIO LANGSHANS, sold separately; B. Leghorn cockerel; part Bradley Rocks, $5.00 pair; B. Minorcas; L. B. hen, $1.50; W. P. R. hen, $1.25; Embden gander, $2.00; hatched from eggs that cost dear; not related. Exchange for C. I. G. cockerels, Grey Call ducks, G. Polish hens or S. C. Leghorns, Guinea Pigs, canary birds. Use plain envelopes. MISS M. KLINE, Harmony, N. J.

HAMBURGS.



MAYO'S SILVER SPANGLED HAMBURGS. Winners in 1896 at Mt. Gretna, Newburg, Allentown, Trenton, Bloomsburg and Hagerstown four years in succession and wherever shown. Eggs and stock for sale at all times. Send stamp for circular to JAMES MAYO, Black Diamond City Poultry Yards, Pittston, Pa.

THE HOME OF THE HAMBURGS—JULIUS FRANK, Akron, O.—Silver Spangled, Golden Spangled, Golden Penciled, Silver Penciled, White and Black Hamburgs exclusively. Have won and stood the test at Washington, Pittsburg and Cleveland, 1895 and 1896, and again at the last Cleveland Show, 1896.

SPANISH.

SPANISH—White Faced Black Spanish a specialty 33 years. One kind only, at full range; hence they are bright and eggs will hatch. Fowls, $2.00 to $5.00 each. Eggs, $1.75 per 12; $3.00 per 24. Circular free. Mention The Feather. JOHN BENNETT, Box 119, Sunman, Ind.

BANTAMS.

SILVER SEBRIGHT BANTAMS—For sale, exhibition birds and breeders in pairs or single. Finer this year than ever. Bred from winners at World's Fair, New York and other leading shows. Write for prices and say what you want. Mention The Feather. A. C. TREICHLER, M. D., Elizabethtown, Pa.

HENRY R. MINNER, Hereford, Berks Co., Pa., breeds eleven varieties of fowls, five varieties of Bantams. Stock and eggs for sale. New catalogue for 1897 for a stamp. Write and get my prices.

FANCY PIGEONS.

BOLINE LOFTS—Theo. Warner, 324 West Baltimore Street, Baltimore, Md., breeder and importer of Blondinettes and Rosewing Tumblers. About seventy of above varieties for sale, all from imported stock.

HOMERS—Speedy and reliable. Hearty breeders, properly mated for producing record flyers, prompt message carriers or profitable squab breeding, $1 and $2 a pair. Book on Breeding and Training Homers, 25 cents. Descriptive Circulars sent without stamp, free to all. F. L. HOOPER, Station D, Baltimore, Md.

HOMERS—Anyone wishing speedy and reliable racing birds will do well to try my stock. Properly handled they will prove all claimed for them. Will sell 7 banded birds for $1.00 per pair. Send stamp for reply. THE SOUTHERN LOFTS, 716 21st Street, N. W., Washington, D. C.

TIPPLERS, Tumblers, Homers, from $1.00 to $5.00 each, according to quality. Show birds for sale that can win in any competition, at reasonable prices, in Bays, Saddles, Solid and Rosewing. Runts, $10.00 per pair. Must be sold, as my time is taken up making bands. THOS. WILLETTS, 180 Lawrence St., Lowell, Mass.

MAGPIES AND ARCHANGELS. Young birds for sale bred from winners at the largest shows ever held in America or England. If you want the best tried blood for stock birds in Magpies or Archangels write. Prices to suit wants. DR. W. A. GIBSON, Jackson, Mich.

JACOBINS in Whites and Yellows. My birds are close in feather, elegant in color, and with magnificent feathering. I guarantee the fullest satisfaction to all. In writing describe your wants. A. H. HARRIMAN, Laconia, N. H.

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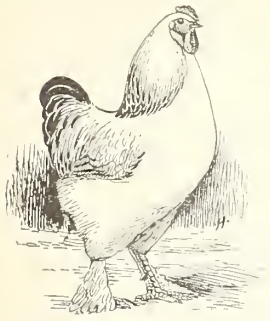
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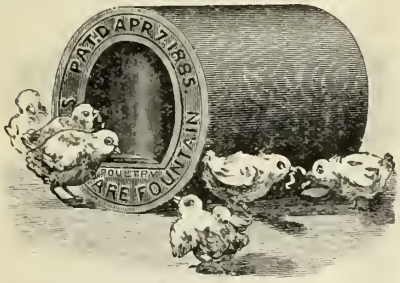
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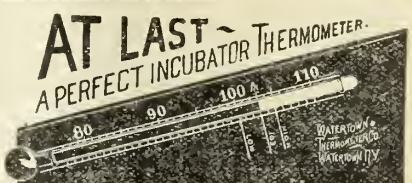
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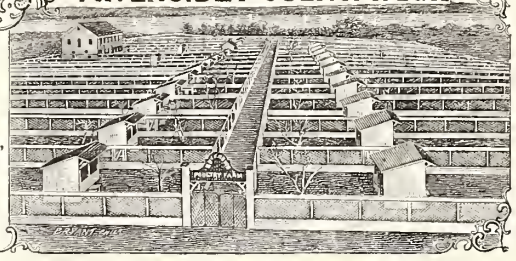
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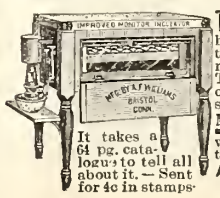
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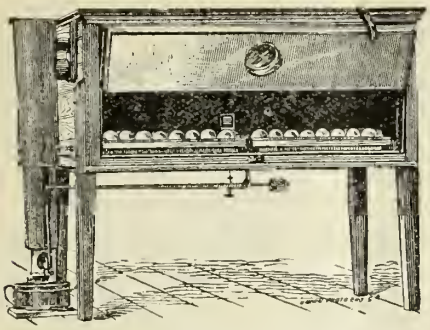


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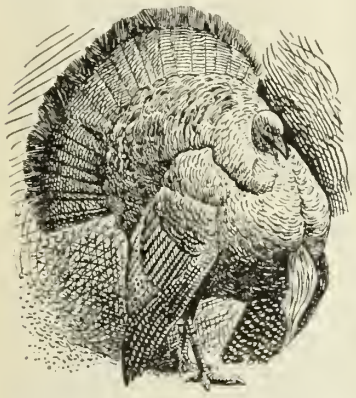
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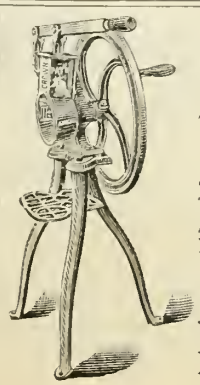
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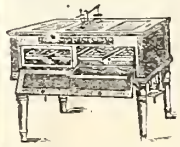
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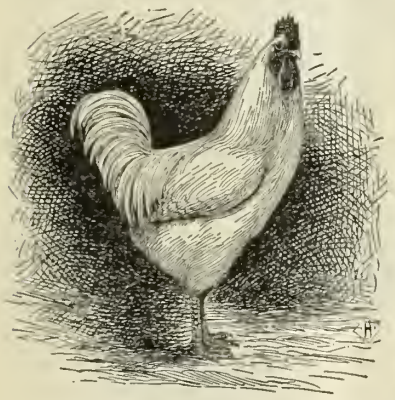
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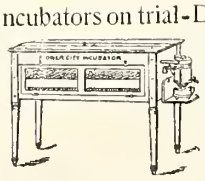
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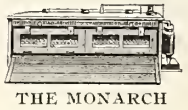
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First Cockerel at Washington, D. C.

It Is an Undisputed Fact that

WARNER'S BARRED P. ROCKS

Are Hustlers in the Show-room. They Have Won Hundreds of Prizes in the Last Eight Years at the Leading Shows of America.

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At Recent International Show held at Washington, D. C., 1897, They Made a Sweeping Victory, Winning 1st and 2d Cockerel, 2d and 4th Pullet, 5th Hen, 1st Pen, and all Specials.
Washington, D. C., 1896—Grand Gold Special for Highest Scoring B. P. Lock in Show. Our Winners Remain in Our Breeding Yards. Eggs from Special Mating, $3 per 13; $5 per 26. S. C. Brown Leghorns and B. Minorcas, $1 per 13; $2 per 30.

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ELEGANT BLACK MINORCAS

THE LEADING STRAIN OF AMERICA

Single Comb Black Minorcas Exclusively

At Rockville, Md., September 1-4, 1896, my birds made a clean sweep. At the Great Hagerstown Show, October 20-23, 1896, I made only one entry and won on that, taking 1st on Pen.

Stock always for sale.
Over 500 birds to select from.
Eggs in season, $2.00 per 13.

Write for prices and wants, enclosing stamp, to

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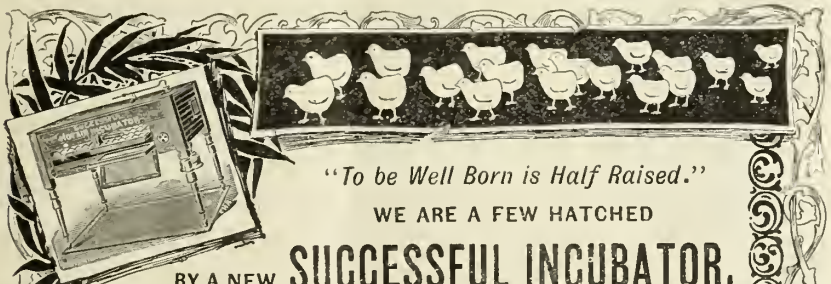
Victories like these cause our BLUE BARRED ROCKS

TO CROW LOUD AND LONG

At West Chester, Pa., 1896, P. H. Scudder, judge, we won 1st on cock, tied for 2d on cock, 1st on hen, 1st on cockerel, 1st and 4th on pullets, 1st on breeding pen, and $15.00 gold special for finest display in American Class.
At Hagerstown, 1895, we won 1st on cockerel.
At West Chester, 1895, we won 3d on cock, 2d on hen, 1st and 3d on breeding pen.
At Hagerstown, 1894, Drevenstedt, judge, 1st on cock, 1st on hen, 1st on cockerel, 2d on pullet, and special on best pair in American Class.
At Hagerstown, 1896, we won 2d and 4th hens, 2d cockerel and 2d pen.

All the above shows were strong Rock exhibits. Two-cent stamp for reply.

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WE ARE A FEW HATCHED

BY A NEW **SUCCESSFUL INCUBATOR.**

There is a science attached to the construction of a **good** Incubator. We employ the most practical features; the material used, the accurate regulation of heat, equable temperature, correct humidity; automatic egg turning device, security against fire, are all of the highest order. Many things of interest and value to the poultryman in our **new catalogue.** Sent for 6 cents in stamps. Address

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"THE ALLEN" Condition Powders for Poultry

Insures lots of eggs and healthy chicks. Give it a trial. Sample can prepaid for 25 cents; large can, 40 cents; 3 for $1.00. A. P. ALLEN, Box 643, Meadville, Pa.

All Our Varieties Won at New York 1896-97..

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BLACK WYANDOTTES

Stock and eggs for sale. 13 eggs, $3.00; 26, $5.00.

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Davis' BLACK AND WHITE Minorcas

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100 fine young and old birds for sale cheap. Orders for eggs booked now for Spring delivery. Mention The Feather.

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FRANK KLINE · BUFF ROCKS · SPRING CITY, PA.

BUFF PLYMOUTH ROCKS and White Homer Pigeons

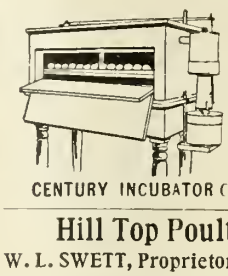
Equal to any in this country. 5 prizes on 5 entries at Madison Square Garden, 1896-97, Show. Winners at Mt. Gretna, Reading, West Chester and Trenton. Rock shape, golden buff, clean hackles, buff to the skin. 6 breeding yards, also 2 farm ranges. Eggs, $1.50 per 13; $3.00 per 30. Write FRANK KLINE, Box 308 L, Spring City, Pa.

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Breeder of High-class Jacobins Exclusively.

A few to dispose of at very moderate prices, considering quality of stock. No postals answered. Send stamp for reply. Address

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Can make money raising POULTRY with a CENTURY INCUBATOR. We sell a guaranteed, self-regulating Incubator, 100 egg capacity, for $9.00. Write for booklet.

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Hill Top Poultry Yards,

W. L. SWETT, Proprietor, St. Johnsbury, Vt.

Light Brahmas, Barred, White and Buff Plymouth Rocks, Indian Games, B. B. Red Games, Black Sumatras, Buff Wyandots, Buff Leghorns, Black Minorcas, White Dorkings, Bronze Turkeys and Belgian Hares. Prices reasonable. 25 years a breeder of nearly all varieties. Write for what you want.



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When the hen, nest and eggs are covered with vermin.
It is a waste of time to try it.

Nine out of ten hens will leave a vermin-infested nest and spoil valuable eggs simply because they can't stand the torture of the pests. . . . . .

The surest, safest and best way of getting rid of vermin is with
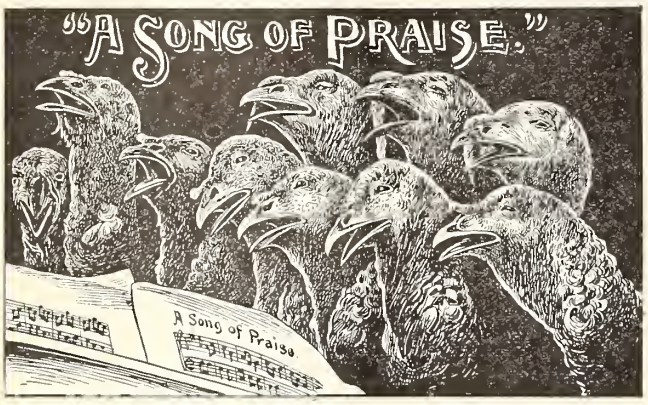


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THE GREATEST KNOWN REMEDY FOR DESTROYING LICE.

For sale almost everywhere. Trial size, 10 cents. 100 ounces by express $1.00. Book free.

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It's all Music on Fisher's Island Farm



A Song of Praise. Copyright 1897

A song of praise,
Is sung always
By the Turkeys on our farm;
All day they sing,
And their voices ring
With melodies that charm.

FISHER'S ISLAND FARM E. M. & W. FERGUSON, Prop.

These Turkeys can not really sing as does the Canary, but their song would be

ONE OF PRAISE

had they the voice and the power of expressing it. What causes us to believe this is the fact of their thoroughbredness, and THEIR sweeping victories in the leading show rooms of this country.

HIGH CLASS **Land and Water Fowl.....**

We breed: Mammoth Bronze Turkeys, White Holland Turkeys, Barred Plymouth Rocks, Buff Plymouth Rocks, White Plymouth Rocks, Indian Games, Imperial Pekin Ducks, Wild Black Ducks, Pure Mallard Ducks, Decoy Ducks. Winners at New York, Washington, Boston, Hagerstown and Kansas City.

Eggs for sale in season. Birds for sale at all times. Enclose stamp for one of the finest catalogues printed.

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Fisher's Island, N. Y.

KNAPP BROTHERS Breed America's Leading Strains of



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Where'er
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S. C. White Leghorns and White Wyandots

More Prizes and Higher Honors awarded our strain of these Two Popular Varieties, as exhibited by us at 34 of the Leading Shows of America and by our Customers during past 14 years, than to all others combined.

Nearly A CLEAN SWEEP AT NEW YORK STATE FAIR in September last, when we were awarded nine of the ten 1st prizes, and eight of the ten 2d prizes, and 1st Cock, Hen, Cockerel and Breeding-Pen in both varieties.

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Black Langshans

At Washington, '97, in red hot competition of 90 birds, we won. 1st cock, 1st hen, 1st and 5th pullet, 3d breeding pen. At Washington, '96, we won on five entries, 1st and 2d hen, 2d cockerel and 3d pullet. Our breeding pens are composed of birds of same high average merit. Large size, vigorous, healthy and of fine plumage. Eggs in season, $2.00 per 15.

Fair treatment to all
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WHITE WYANDOTS,
Prolific Layers.
NARRAGANSETT TURKEYS,
Large, Hardy, and Early Maturing.

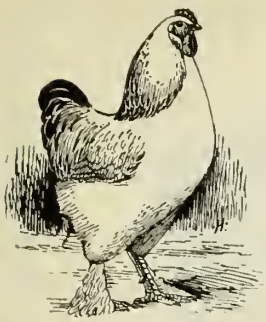
It has been our aim for years to breed good, thoroughly practical birds.

Winners at White River Junction, Vt., Woodstock, Vt., Boston, and Grand Sweepstakes at St. Johnsbury, Vt.

Stock and Eggs for Sale at All Times.

THE BROOKSIDE POULTRY FARMS,
W. E. MACK, Proprietor. Woodstock, Vt.

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Bardroff's Lights ARE WINNERS.

Choice Light Brahmas from stock that has won at Washington, Rockville and Marlboro for sale at reasonable prices.

Eggs for hatching, $2.00 per 13
Good breeding stock for sale.

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West Chester, Pa.

If you have any doubt of the "Hot Stuff" we breed, look up our winnings at the best shows in America:

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Stock for sale.
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LYNNHURST POULTRY YARDS, Glassboro, New Jersey.

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Cochin, Japanese and Polish Bantams.
A few very choice fowls and chicks for sale. Eggs in season. Catalogue free.

ROYAL BLUE LINE POULTRY YARDS.

PRIZE-WINNING **BUFF COCHINS** ONLY.....



These birds are bred from the three most noted prize-winning yards in America. Their peers cannot be found. Grand in style, sound in color, correct in shape and leg and toe feathering. There are only twenty-five of these birds for sale—fifteen cockerels and ten pullets. A chance for somebody. Eggs for hatching. For prices, etc., address

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No Eggs For Sale

Stock For Sale at All Times

Arnold's Buff Leghorns

HAVE A NEW RECORD

Two hundred females and seventy-five males for sale. We never owned so fine a lot of breeding birds as we have this season.

In breeding cockerels we can give you almost anything you want and at reasonable prices for quality of stock.

At Madison Square Garden, 1896-97, won 1st and 2d on cocks, 2d and 4th on cockerels, 1st and 2d on pullets and 3d on breeding pen. At Washington, 1897, made a clean sweep, winning 1st, 2d and 5th on cocks, 1st, 2d and 3d on hens, 1st, 2d, 3d and 5th on cockerels, 1st, 2d, 3d, 4th and 5th on pullets, 1st and 2d on breeding pens; also all specials. At Boston, 1st, 2d and 3d cocks, 3d and 5th hens, 1st, 2d, 3d and 5th cockerels, 1st and 5th pullets, 1st and 2d pens, and 17 special prizes, including $25.00 cup for best collection. 2-cent stamp for catalogue.

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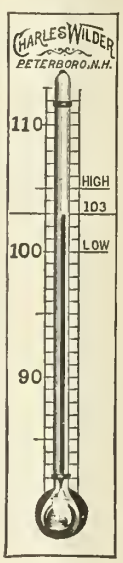
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240 1st and special premiums won in the last five years at New York and Boston Exhibitions.

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Charles Wilder,
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Has for 35 years made accurate Thermometers of all kinds.

WE SELL
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By mail,
TWO, $1.10; SIX, $3.00.

BUFF WYANDOTS,

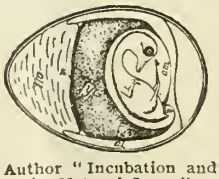


Buff.... Cochin Bantams AND HOMING.... PIGEONS.

No eggs for sale.

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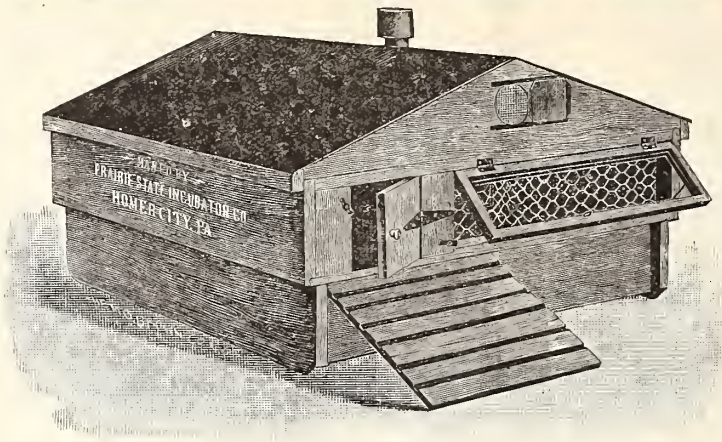
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100 to **20,000** EGG CAPACITY
Circular Free
Chas. A. Cyphers
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PHILADELPHIA, PA.

Author "Incubation and its Natural Laws."

A Good Name Keeps its Lustre in the Dark....



THE NEW PRAIRIE STATE $12.00 OUT DOOR BROODER.

For years the name of the Prairie State Incubators and Brooders have been making bright the DARK CORNERS of artificial incubation and shedding their lustre to all who have used them.

A SINGLE FACT

Is worth a ship-load of argument, and no fact is more substantial to-day THAN THE FACT that the successful men who are hatching thousands of chicks annually invariably use the Prairie State machines.

This evidence is a testimonial that goes a long way; it proves what we have always said, that for simplicity of construction, workmanship, and reliability for hatching, our machines know no equal.

The improved '97 machine is a marvel.

The Double Aluminum Regulator Bar

is about as near perfect as it can be. The feature of the DOUBLE BAR is this; the egg-tray is midway between the two bars and the MEAN TEMPERATURE of the upper and lower chambers is maintained, thus insuring the only PERFECT and ACCURATE temperature of the eggs. This is a revelation in artificial incubation and brooding.

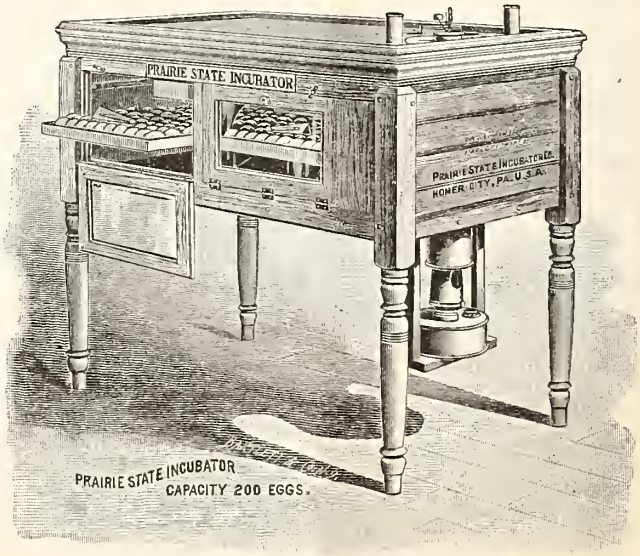
More than 170 First Premiums have been awarded our machines, besides gold and silver medals at New York, Washington, Chicago, St. Louis, Kansas City and one hundred and sixty other shows. At the late Mid-Continental Poultry Show, Kansas City, Mo., the Prairie State took first, second and third on Incubators, and first, second and third on Brooders.

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I lead in Rose Comb Brown Leghorns, also Single Comb Brown Leghorns, both winners in New York. Barred and White Rocks (Thompson & Hawkins, Black Langshans (Dr. Robinson), White Wyandots (Duston), Buff Leghorns (Arnold), P. Ducks, Light Brahmas, Belgian Hares, Single Comb White Leghorns, Black Minorcas Northrup).

Buff eggs $1.50, all others $1.00.

12 years winning 1st in big shows. Circulars.

Hill's S. C. Brown Leghorns

Were winners at Rochester, Meridian, Northampton and Troy.

A fine lot of early hatched chicks, for the Fall shows, that are large in size, fine in combs, and grandly striped in hackles and *saddles*. Prices reasonable. Satisfaction guaranteed or money promptly refunded.

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THIS CUT

Is from life and represents a bird that has won thousands of premiums on Barred Rocks in the last twenty years and is still at it. Circular free. Mention this paper. Joe Farmer, Flushing, Ohio.

Silver Laced Wyandots Exclusively

Winners wherever shown. Stock for sale at less than half value. Eggs in season, $2.00 per 15. Satisfaction guaranteed.

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Broad River Poultry Yards, Columbia, S. C.



ON TRIAL. You don't pay us one cent until satisfied. The Buckeye Hatcher is perfect.

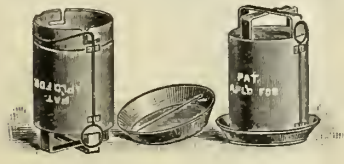
Invincible Hatcher 100-egg, $10.00; 50-egg Incubator, $5.00; Brooders, $3.00.

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Give perfect satisfaction. Circulars.



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P. H. McCORMICK, PROPRIETOR.

Single Comb Black Minorcas A Specialty

WINNERS AT AMERICA'S LEADING SHOWS.

At Hagerstown, 1896, won 1st and 5th cockerels, 1st pullet and 2d pen; at New York, 1896-97, won 1st and 2d pullets; at Washington, D. C., 1897, won 1st cockerel, 1st and 2d hens, 1st and 2d pullets, 1st pen, 2d Pekin drake, 2d Pekin duck and two specials.

Also breeder of Bronze Turkeys, Pekin Ducks and Lop-eared Rabbits.

Minorca eggs, $2.00 per 15. Bronze Turkey eggs for sale at all times. Stock always for sale. Eggs in season. Write for circulars and prices. Enclose stamp for reply.

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BREEDS AMERICA'S PRIZE WINNERS.

Winning at a tremendous show held Christmas week, 1896, all specials on

Buff and Barred Plymouth Rocks

And solid silver cup for best display, and again at the Great National Show at Washington, D. C., on 23 entries won 21 premiums, among them 12 firsts. Stock for sale. Eggs in season.

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FIRST ON THE LIST IN

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Send stamp for catalogue. Circular free.

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Games; Game, Cochin and Polish Bantams

The finest stock in America. Thousands of premiums at the leading shows. Also, Boston Terrier Dogs and Angora Cats of the bluest blood. Stamp for catalogue.

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G. W. JAMES

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EXHIBITION BARRED PLYMOUTH ROCKS, BLACK AND WHITE MINORCAS, BROWN LEGHORNS AND PEKIN DUCKS.

Fowls and eggs for sale. Circulars free.

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Breeder of R. C. B. and White Leghorns, Barred P. Rocks, L. Brahmas, Buff Cochins, Langshans, R. C. Black Minorcas, Indian Games and White Wyandots.

All eggs $1.00 per 15. Stock for sale at all times.

Plymouth Rocks That are Barred to the Skin.

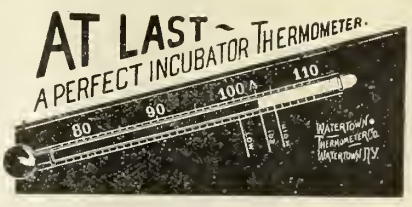
W. H. OVERBAUGH, JR., Hanover, Pa.

Home of the True Blue Barred Plymouth Rocks and Buff Leghorns (Arnold strain). A fine lot of Buff cockerels for sale. At Hanover Fair I won first, second and special on Plymouth Rocks. Stock for sale at all times. Eggs, $1.50 per 13; $3.00 per 30. Catalogue free. Mention The Feather.

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Having purchased the stock of the late B. F. Macomber, is now ready to offer the public first-class stock at reasonable prices. Dr. Hutchinson is the originator of the "Star Strain" Light Brahmas, unrivaled for practical purposes; also breeder of Black Cochins. Address

Box 61, North Abington, Mass...



PERFECTIONS: A broad, magnified mercury column. Easy to read, even in dim light. Its shape — admits of reading the temperature without opening egg tray. Bulb rests on two eggs, thus insuring the correct temperature. Gives proper pitch to tube. Costs no more than an inferior one. By mail — one, 75c., three, $1.50.

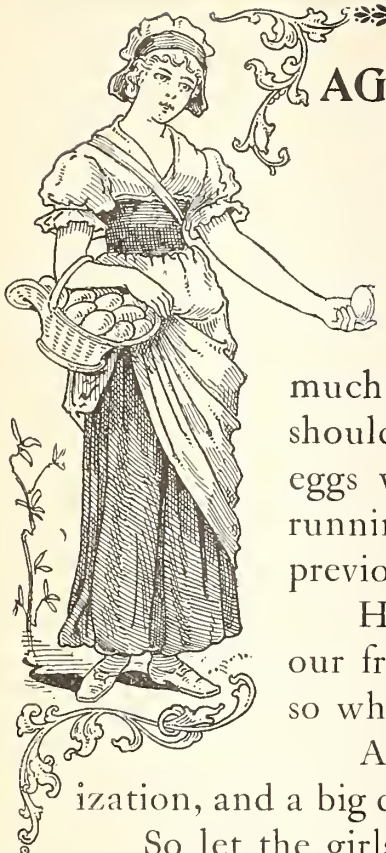
WATERTOWN THERMOMETER CO.,
No. 58 Newell St.,
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White Cochin Bantams
Black Cochin Bantams

On sixteen entries at the R. I. Show, December 9-12, 1896, my scores ran from 92½ to 96. I will sell you good stock at a reasonable price. No eggs for sale at any price.

Dr. WM. Y. FOX, Taunton, Mass.

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AGAINST

Whistling Girls AND Crowing Hens

much evil is prophesied; but tell us, pray, why a girl should not whistle upon finding the nests filled with eggs where a famine had previously reigned, or at the running over of the milk pail where there was no previous flow.

Having added to the wealth of the community, our friend, the hen, must also feel an exultant pride; so why shouldn't she crow?

A wide margin lies between expectation and realization, and a big difference between *looking for* eggs and *finding* eggs.

So let the girls whistle and the hens crow, and make your own the happiest poultry yard of all by **Feeding Right.**

The H-O Feeds are exclusively rations of grain, scientifically blended to produce certain fixed results.

The **H=O Poultry Feed** promotes growth, and insures greater yield of eggs and shorter moulting season.

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The **H=O Horse Feed** guarantees the maximum of strength and condition to your horses.

A Striking Feature of our way of doing business is that the H-O Feed must fulfil our claims, or your money will be refunded.

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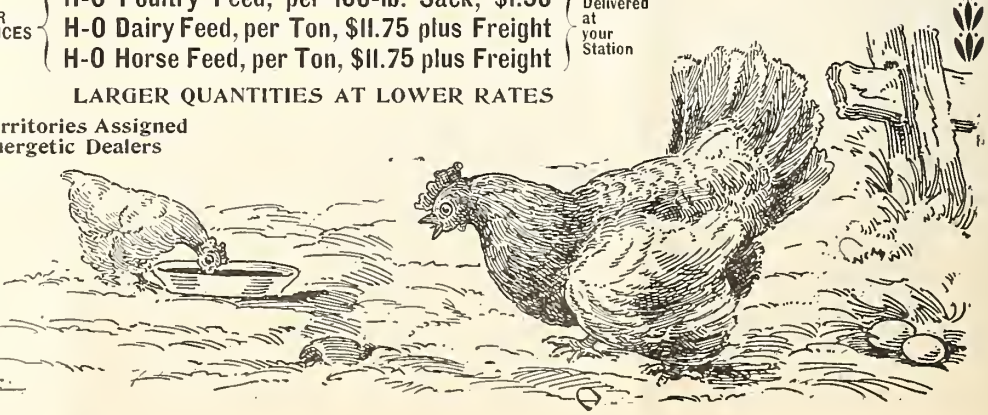
Hornby's Oatmeal

New York City...

OUR PRICES { H-O Poultry Feed, per 100-lb. Sack, $1.50 / H-O Dairy Feed, per Ton, $11.75 plus Freight / H-O Horse Feed, per Ton, $11.75 plus Freight } Delivered at your Station

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The Feather

A National Journal Devoted to Poultry, Pigeons, Birds, Etc.

VOL. II. NO. 5. WASHINGTON, D. C., FEBRUARY, 1897. FIVE CENTS.

ON A LARGE SCALE.

Staten Island's Home of the Popular Pekin Duck.

BAY VIEW POULTRY FARM, Huguenot, Staten Island, N. Y., Mr. Charles F. Newman, proprietor, is one of the largest farms devoted to poultry in the country. It comprises sixty acres, bordering directly on the ocean, on the south of Staten Island and opposite Sandy Hook. Mr. Newman is also proprietor of a Summer hotel at this point, which during the season is filled with busy city people, and where he has established a profitable home market for his fine fowls.

Mr. Newman breeds many varieties of thoroughbred poultry, turkeys, geese, guineas, etc., but makes a specialty of Pekin ducks. During the past year he has raised nearly 6,000 ducklings, besides shipping 12,000 eggs for hatching to all parts of the country. Near the hotel, which is but a stone's throw from the water, are located the Winter quarters for the breeding ducks, while during the Summer the ducks are quartered at a fresh water pond, two acres in extent, about which are built sheds used for them at night. The yards for the different breeds of fowls are arranged near another fresh water pond, thus giving an abundance of fresh water at all times.

The brooder-house is one hundred feet long, heated by a Bramhall, Dean & Co. system, and besides there are sixteen outdoor brooders. The incubator-house is built of brick, fourteen by twenty-two feet. Fourteen incubators are run, consisting of 300-egg sizes of both the Von Culin and Prairie State.

Regarding the breeding, care and feeding of Pekin ducks, no better authority could be quoted than Mr. Newman, and we give in full his own account of his experience with his specialty, as follows:

The Pekin duck (I speak only of the pure Pekin) is, in my estimation and experience, the most profitable of any variety and, indeed, the only profitable duck. It grows the largest, matures the quickest, has the finest plumage, lays the most eggs and dresses the easiest and nicest for market.

Its color is a glossy, creamy white. Station erect, neck not extremely long and slightly curved, head well formed, broad orange beak and dark, bluish-gray eyes. An important point is the breast, which should be protuding, large, broad and deep. The back is slightly curved and wide. The body should be long and wide to the stern, not running out peaked toward tail. The wings are short, only covering the back, with wing points ending about at the beginning of the tail, which ought to be short—on drake slightly turned upward, and when in good plumage showing two curly feathers on top. The average weight of the drake is about nine and one-half pounds.

The duck is shaped like the drake only she is deeper in the stern, full and square. At the laying season, when in good condition, the back part of the body will very nearly touch the ground. The feet of both duck and drake are red without any black.

The American Standard of Perfection requires a clear orange beak without any black, which is a hard thing to secure and it is rare to find such even in the largest flocks of the best specimens.

In drakes black on the beak ought to be a disqualification, but in ducks it is unavoidable, a little black streak on the beam will show on ninety-five per cent.



CHARLES F. NEWMAN.

of ducks when mated or when they lay their first eggs. You will find this so in the largest and best specimens, while the small ones will keep their clear beaks the longest. The weight of the duck ought to be eight pounds on the average, but I should add that the weight depends on the time of year. In mating time the vigorous drakes will prove considerably lighter, while the old and lazy ones will hold their weights. At this particular time the ducks will keep the average weight and exceed it until they have been laying some time when they will lose weight.

I will now consider the selection of breeding stock, as the time is at hand when this should be attended to.

If you intend to purchase ducks for breeders, or if you wish to mate those you have, now is the time to do it. By waiting you lose both time and money. The birds want to mate from now on, and make themselves at home if put into new quarters. By moving them from one place to another later on you will stop them from laying for some time. If you purchase ducks for breeding see that you get early March and April hatched ones—not any later, as the former will give you the best service. Mate this year's ducks to yearling or two-year-old drakes. A good breeder will always select his breeding stock from the earliest hatched litters without regard to the tempting market price for the young stock, for we want them to lay as early as possible, as it is the early Spring ducks which bring the best prices. I have received as high as forty-six cents a pound and as low as fourteen cents. I will explain why we select the earliest hatched for breeders. When a hen starts to lay in the Spring she lays the greatest number of fertile eggs and the germs are strongest. These are the eggs from which you and I want to hatch our breeders. Later on more eggs are infertile and the germ is weaker and the young which we do hatch are not as good by sixty per cent. as those first hatched. As it is with the chicken hen so it is with the duck. The latter will begin to lay in December or January and her first twenty-six eggs are seldom fertile, but after that they are good and more fertile than hens' eggs.

I am now going to step on somebody's toes, I fear, but the truth must be told. If you buy breeding stock at $1.00 to $1.50 each, you may make up your mind you are throwing away your money, as no man can afford to sell you early hatched, selected birds at such prices at this time of the year, for they would have brought him that much money when ten weeks old and he would get nothing for his care and feed for eight months. Nobody is in this business now-a-days for pleasure alone or "for his health," and those who have gotten rich in the poultry business faster than a walk you will have to search for with a lantern.

As it is the season for the selection of the breeding stock I will write of them first.

Ducks do not need a warm house, a dry, well-ventilated shed with plenty of litter on the floor will answer the purpose very well. It is their fect that need protection to keep them warm. Their bodies are covered with a thick coat of feathers, with plenty of down, and housing a lot of them together enables them to keep warm.

As they always lay their eggs during the night or early in the morning, you need not fear they will be chilled, as a duck in most cases will make a nest in the litter and cover the eggs when she leaves the nest, or another duck lays in the same nest and she is soon followed by another, so the eggs do not have time

to chill. Now about seven o'clock in the morning you should have their feed and water ready for them in an outside yard, close to the duck-house. Open the duck-house and during the time they are eating gather the eggs. Keep the ducks in this inside enclosure, with the door of the house open until eight o'clock, and then if you want to give them their liberty let them go, as they will have all laid by that time.

When we run a large number together we allow one drake to four females; it is better to have a few extra drakes in the early part of the season up till about March. Then reduce the number of drakes; I generally take away the most vigorous ones. Later on take away more until you have six or seven ducks to one drake. Now the drakes which you have removed from the pen and which you wish to keep over should be moved away out of sight of the ducks and for a time put them on half rations —no meat or cornmeal, only bran, middlings and plenty of vegetable matter. If confined together and fed a strong diet they will kill each other.

Avoid going near the ducks at night, particularly with a lantern, as ducks are very timid and it will make them uneasy for the whole night. Keep rats and other vermin out of their houses, for they are bitter enemies of ducks. A fox terrier is an excellent dog around a poultry-house, as he will keep the place clear of rats.

If you wish to catch ducks drive them into one corner of the pen, use a hook made of strong wire and hook them around the neck, pulling them toward you. Always handle ducks by the neck, never by the legs or wings, as you can easily wrench or hurt them by doing so.

The feed should differ at different seasons. I advise you not to feed ducks whole grain of any kind. Always give them a mash. At this season of the year feed the breeders twice a day, giving them a mash composed of equal parts of bran and middlings, one-half part each of cornmeal and ground beef scraps or meat of any kind. Take fifteen per cent. of this mixture and plenty of boiled potatoes, turnips or mangle-wurzels mashed and mixed all together in a dry-wet mash.

A very convenient feed-trough is made by taking a twelve-inch board about seven feet long for the bottom. Nail four-inch-wide strips on the sides and ends, making it like a box. Cut common laths, which are four feet long, into three parts and nail them up and down about three inches apart. The ducks can only get their heads between the laths and cannot get in to dirty, waste or pack the food down. You can in the same way make a water-trough for both young and old, except that for young ducks you will have to put the laths closer together.

Once more I say do not feed whole corn to ducks, as it is not the food to set them laying, and if they do lay, their eggs will not be so fertile. Feed plenty of meat, or fish if you can get them, to breeders, but do not feed any fish to young stock intended for market, as the least bit of fish will impart a fishy taste to the duck meat and hurt your sales in the market.

It is rather late now, but you should always see to it that you have a piece of rye or clover sown for early Spring use for young and old stock.

I will now give a few hints on my method of hatching and raising young ducks. As different machines in different climates require different handling, it is not easy to give any cast-iron rules regarding ventilation and moisture.

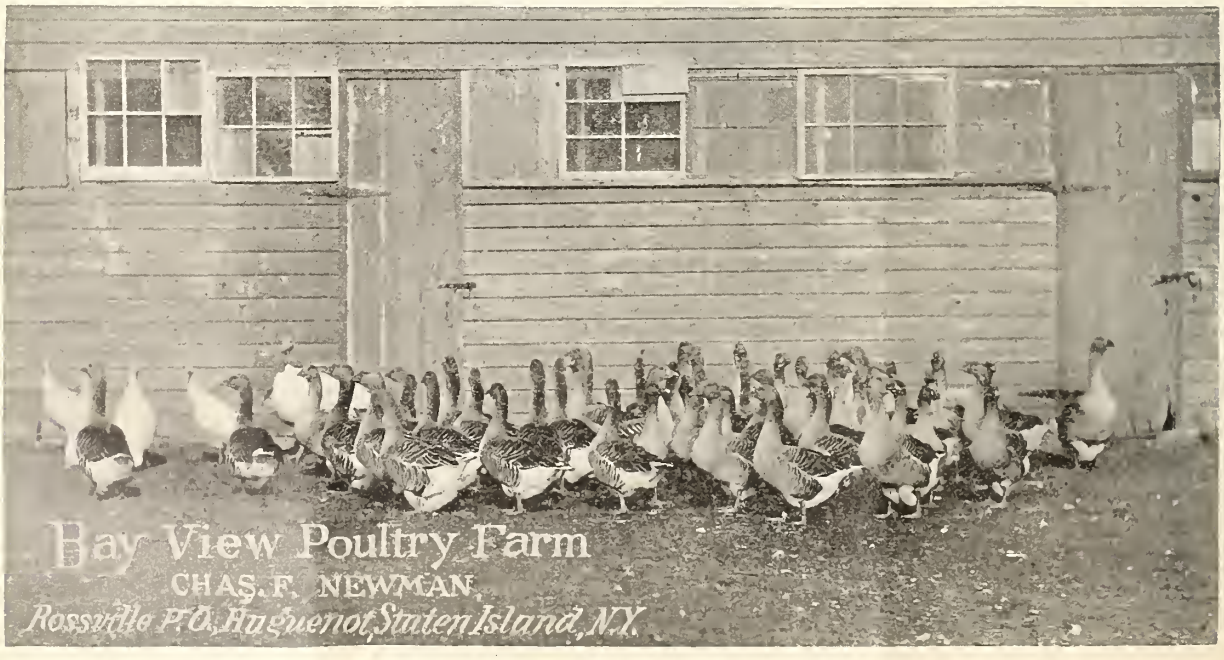
Keep the floor or litter on the floor (I am not talking of board floors, as I do not approve of them in any poultry-house) as clean as possible so that the eggs may be clean. Dirty eggs do not look well in any machine and they are not as easy to test as clean ones. Duck eggs ought not to be washed or only as little as possible. The oily, greasy covering on the outside shell should remain. I have found that eggs hatch better if it is not removed.

After the eggs have been in the machine five days they can be tested and the "infertile" ones should be removed. The eggs should be cooled once a day by placing the tray on top of the machine, but keep the machine closed. In the latter part of Spring and early Summer this rule should be strictly observed. After the twenty-fifth day do not turn the eggs, but keep the machine closed until the end of the hatch. Do not help any out of the shell as in ninety-nine cases out of one hundred they are of no value. Simply say, "What cannot help itself, God helps." When the hatch is finished and the ducklings are thoroughly dry remove them to the brooder, which should register ninety degrees under the hover.

Prepare their first food by mixing a little cornmeal and stale bread, if you have it, if not, bran fills the place. Moisten and mix with the hands until it is crumbly moist. Feed in little pans. But water is the main thing. A drink is more stimulating to them than food. When I feed and water them, if I notice a weak one I catch it and dip its beak into the water. He will swallow and enjoy it, and in a little while he will get around and look for it himself. Do not allow them to get into the water to get their feet or bodies wet. Young ducks should never have any water to swim in until feathered out. Feed young ducks five or six times a day until four or five days old, giving the first feed very early in the morning and the last one as late as you can see. It is never too early for them, never too late, but do not give more at each feeding than they will eat up clean. Never leave food standing around, and it is not necessary to keep water before them all the time, only at feeding time see that the vessels are filled. You will see that they will fill their necks full of food and then run to the water for a drink to rinse it down. The first few days do not let them go too far away from the house, or they will lose their way and crowd together and get chilled.

After three or four days there is no more trouble for the ducks, only for you, providing you have a large family—4,000 to 5,000. In that case you will have to get your arms in motion and mix food, feed it and keep a trotting.

Up to two weeks feed a mixture of two parts bran and one part cornmeal, with a little vegetables, boiled turnips



TOULOUSE GEESE AT BAY VIEW POULTRY FARM.



GENERAL VIEW OF MR. NEWMAN'S DUCK RUNS.

and potatoes, and later, clover, cut rye, etc. After two weeks keep increasing the cornmeal and add a small portion of beef scraps, just enough to give flavor to the mixture, also a little salt and a trifle of sand to every feed. After two weeks feed four times a day, after five weeks feed three times a day. When six or seven weeks old increase the beef scraps and cornmeal very materially, but do not feed enough to get their bowels out of condition. At ten weeks old your ducks, with proper care, ought to average five pounds and go to market.

Let me repeat that young ducks ought never to have water to swim in until feathered out, and market ducks should then have only enough to wash and clean their feathers, never enough for them to dive and frolic. Too much exercise prolongs the fattening process. They should eat and rest, somewhat similar to fattening a hog. Ducklings, after three or four weeks, do not need as much heat as chickens do when raised in Winter or early Spring. If they have a warm house it is sufficient. From May on they do not need any artificial warmth, open sheds will do very well then and it will make them hardy. Their meat is tender enough and by exposing them some you will make them more solid. But use judgment and do not expose them too much or you will check their growth.

As stated above, at ten weeks old they should be dressed and shipped to market, great care being taken that their skin is not torn when picking the feathers, as that would spoil the appearance and so reduce the price.

Do not ship all your early-hatched ducks if you want the best breeders. Select out of each early litter the best, and only ship the culls. In this way you will provide yourself with good breeding stock.

Take a long, narrow-bladed, sharp-pointed knife and insert it far back into the mouth, cutting the artery that supplies blood to the brain, and drawing the knife down toward the point of upper beak, make a long slit. Then force the knife up into the brain, giving it a little turn, and all pain is over.

See that they bleed out well; if they do not the skin, instead of getting a golden yellow, will look bluish and blood-run. Begin to pick as soon as you lay down your knife as they will let go the feathers as long as they are bleeding. Pick the soft feathers into a barrel to keep as they will pay for dressing the duck. Do not pick ducks when in pinfeather. After they are stripped of feathers lay them in a barrel in which is clean, cold water with a few handfuls of salt dissolved in it. In Summer put a piece of ice in the water to keep it cold. The salty water will draw out the blood and animal heat. Let them remain in the water five or six hours. Take them out, wash and rinse them, clean the clotted blood out of their beaks and pack them in a barrel with broken ice, then ship to market.

On the Credit Sheet.

Poultry manure is an item that will give a larger balance to the credit sheet of poultry keeping, if more serious thought was given the subject. The droppings for one week from ten hens weigh ten pounds. They could not be called green for they have been exposed to a current of air and have remained on the board seven days. This is equal to one and one-fourth pounds from each hen per week, or sixty-five pounds for a year. Then one hundred hens would yield 6,500 lbs. counting half the time, the night only.

The following table gives the number of pounds of the three most valuable elements in a ton of hen manure, and a ton of well-rotted barn-yard manure:

	BARN MANURE.	HEN MANURE.
Phosphoric acid	6 pounds.	48-60 pounds.
Potash	10 pounds.	41 pounds.
Nitrogen	11 pounds.	67 pounds.

Thus, 400 pounds of hen manure would contain as much potash, phosphoric acid and nitrogen as one ton of barn-yard manure, according to the commercial value of these elements.

Nitrogen, 67 pounds at 18 cents	$12 06
Potash, 41 pounds at 7½ cents	3 08
Phosphoric acid, 48-60 pounds at 12½ cents	5 01
A ton of hen manure is worth	20 15

If, as above demonstrated, one hundred fowls produce 6,500 pounds, then their droppings alone have a commercial value of $70.56. It is well known that the manure from birds is more valuable than from animals, for it contains the urates and solid excrements combined. The urine from cattle is more valuable than the solids. If domestic fowls are fed on meat or fish diet, the manure would equal guano, but the analysis of the latter shows a much larger per cent. of nitrogen and phosphoric acid than the former, and therefore is of more value. This accounts for the low valuation we frequently see given hen manure.

Professor S. W. Johnson estimates the nitrogen in poultry manure to be worth thirty cents, potash seven cents, and phosphoric acid ten cents per pound, which would give it a value of $30 instead of $20.15 as we have it. In Dana's Muck Manual, page 177, he says: "The dung of domestic fowls and birds in general contains salts similar to those of guano, and for mulberries, vines, peaches and other plants, the droppings of barn-yard fowls, one part to from four to ten of water, have been found to produce excellent results. The trees have, at the end of two years, the most healthy and luxurious appearance imaginable. The poultry yard is to a careful farmer a rich source of vegetable food."

To realize the full value of the manure, have a dry house, and plenty of good absorbent on the shelves or dropping boards. Gather twice a week and mix with twice the quantity of good woods earth or dry muck, and keep in barrels in a dry place, or compost them as soon as gathered with twice or three times their bulk of dry material, and if you keep 100 hens you will not have to buy fertilizer for your family garden.

Good Feed Makes Them.

Fresh eggs must be fresh laid, and as good feed makes choice butter, so, too, good feed and clean water are essential to good eggs. Such eggs are worth more than old eggs, spoiled by bad feed and worse water.

Why Not Try It?

American farmers are prone to scratch over an extended area to raise grain crops, which in many cases hardly pay the cost of production. Why not specialize? And what offers better inducements than poultry keeping?



First Prize Pen of Barred Rocks at New York, 1896, Owned by E. B. Thompson, Amenia, New York.

A NOTED BREEDER.

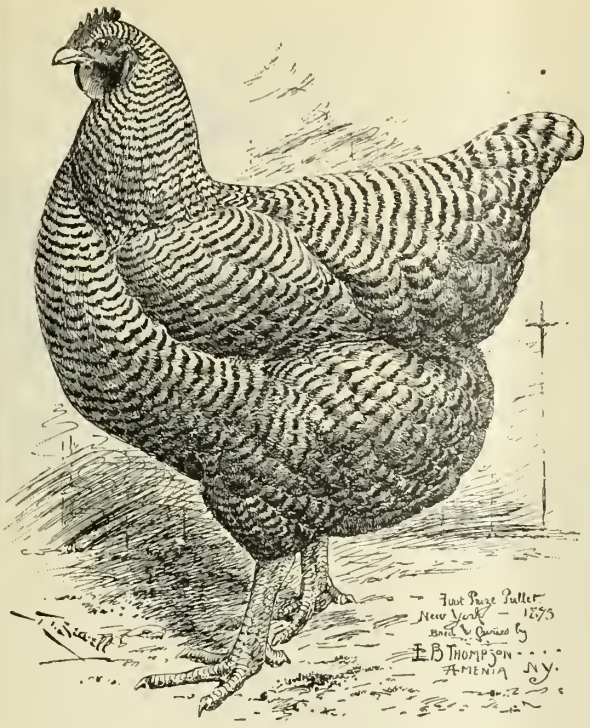
Personal Mention of the Founder of the "Ringlet" Strain of America's Favorite Bird.

ALL fanciers of Barred Plymouth Rocks know, at least by name, E. B. Thompson, of Amenia, N. Y. Mr. Thompson has bred Barred Plymouth Rocks since 1879. He had bred Silver Wyandots for ten years, but found the demand for Barred Rocks increasing so rapidly that he disposed of his Wyandots and has since devoted all his energies toward improving the Rocks. He began exhibiting in New York about twelve years ago and his record is one of which he may feel justly proud. Many of the regular prizes as well as numbers of valuable specials have been won each year by birds of his own raising.

Mr. Thompson's pleasant home is about five miles from Amenia, high up in the beautiful hills east of the Hudson River, in one of the lovliest parts of eastern New York. It is unnecessary to say that Mr. Thompson's stock is of the very highest quality. Barred Rocks bred by him have been scored as high as 95½ points by Felch and Pierce. The best specimens of a thoroughbred variety like the Barred Rocks are worth as high a price as they will bring. Mr. Thompson obtained $150 for one of his birds and has lately passed that price.

Mr. Thompson uses hens exclusively for hatching and brooding and is a firm believer in free range. All his young stock each year has unlimited range. His Summer coops for the brood hens and weaned chicks are worthy of notice. He buys ordinary dry-goods boxes at the village, covers the top (or one side) with water-proof paper, builds an apron or water shed out over the side that is open, and nails slats over this open side far enough apart to allow the chicks to pass out and in, but confining the mother hen. These slats are put on in such way that a stout frame with rat-proof wire screen nailed securely to it can be pushed along behind them, thus inclosing hen and chicks and barring all intruders out at night. These excellent coops vary in size. The smaller ones are used for the hens with chicks; the larger ones are substituted after the chicks are weaned. Only fifteen to twenty chicks are made at home in each coop. Thus is crowding avoided, and there is no lack of fresh, pure air at night. At the same time these coops are rain-proof and tight enough to keep the wind away. They answer all requirements and are very inexpensive. Dozens of these are located quite a distance apart, over fifteen or twenty acres of pasture and meadow land and the chicks run at will all Summer long and late into the Fall.

Mr. Thompson's plans for breeding are as follows: On an average he uses ten females to a pen. He selects a male that he wishes to use, then selects as many females as he can find in his flock, up to ten, that he believes are suited to his male. Sometimes he has to stop at five or six, but the limit is ten. This is the rule for fowls confined in yards, as his are during the breeding season. His yards are of good size, carpeted with grass and well shaded. All chicks are punch-marked when hatched and are mated accordingly the following year. A careful record is thus kept year by year. The results of each mating are studied and the birds that are themselves good and show the ability to reproduce themselves in greatest numbers are valued highest. For years Mr. Thompson has bred in this manner and his success has proved that this is the only way to get a strain established and improve the best individuals.



FIRST PULLET AT NEW YORK, 1895.
Owned by E. B. Thompson, Amenia, N. Y.

Several years ago some of Mr. Thompson's friends dubbed him "Ringlet" on account of the persistence with which he bred for the regular zebra stripes in the barrings of his birds. We give in his own words his opinion on the question of zebra stripes or "ringlet," as follows: "The chief beauty, to my eye, in the plumage of a Barred Plymouth Rock is this regularity of barring. No matter how exquisite the blue tinge may be, if a bird has an all-blotched-up appearance, that bird, to me, is far from beautiful. I have talked, written and bred for this regularity of barring, which I sought to describe by the use of the word 'ringlets,' until the other fellows have nicknamed me 'Ringlets;' so, last year, I went them one better and named my strain 'the Ringlet Strain,' and there I stand, come weal or woe. The present Standard does not, in so many words, call for this regularity of barring, but I say frankly that the more I see of this in my Rocks the better pleased I shall be. The Standard ought to be subject to change, along with the growth of our ideas." Mr. Thompson is now advertising his "Ringlet" strain extensively.

Mr. Thompson is a reliable, responsible man of business, a staunch, true friend and a most genial acquaintance. THE FEATHER wishes him the continued success he richly merits.

Buff Rock Club.

The American Buff Plymouth Rock Club was organized during the Rochester Show, January 14, 1897. By a unanimous vote Mr. J. D. Wilson, Worcester, N. Y., was elected president, and Mr. G. W. Hamm, Battle Creek, Mich., 1st vice-president. The following were elected associate vice-presidents: W. O. Southwick, Friend, Neb., H. M. Doubleday, Mertensia, N. Y., E. W. Andrew, Elmira, N. Y., H. M. Nise, Moberly, Mo., H. S. Burdick, Rome, N.Y., Mrs. H. G. Parker, North Collins, N. Y., F. L. Rainbow, Morrison, Ill., C. A. Wheeler, Cuba, N. Y., Frank E. Kimball, Denver, Colo., E. J. Richardson, Allentown, N. Y., J. T. Bonner, Tyler, Tex., Dr. C. J. Andruss, Canandaigua, N. Y., and L. B. Hanna, Columbus City, Ia. W. C. Denny, Rochester, N. Y., was elected secretary and treasurer. The following were elected members of the executive committee: J. F. Knox, Warren, Pa., E. W. Brown, Old Mystic, Conn., P. F. Kohler, North Beach, L. I., N. Y., W. A. Chase, Willis, Kans., L. S. Bache, Bound Brook, N. J., J. H. Gigee, Allentown, N. Y., Dr. T. J. Rush, South End, O. T., H. E. Benedict, Elmira, N. Y., J. P. Newbard, Carey, O., George Burgott, Lawton's Station, N. Y., and A. S. Couch, Elmira, N. Y. Constitution and by-laws were adopted and will soon be sent to all those interested. The object of the club is to further the interests of the already popular Buff Rock and decide on changes to be recommended in the revision of the Standard. The membership fee will be $1.00 and must accompany the application. The yearly dues are $1.00 and are due in July. Let all who breed Buff Rocks in the United States and Canada send their names to me and join this organization at once. We are determined to have one of the strongest and best clubs of this kind in the country.

W. C. DENNY, Sec'y and Treas.

The Early Cockerels.

Now that hatching will soon begin we believe the proper time to call attention to the disposal of the cockerels is the present. When a brood of chicks is hatched for next year's layers all of them are retained as long as possible in order to learn which of the whole will prove superior. It is an expensive method because it necessitates the feeding of more chicks than should be kept over. The time to sell the cockerels is when they are small. Never let them reach over three pounds weight, and if you can sell them when less than two pounds weight, you will get better prices and save food, room and labor.

To Keep Them Properly.

A good way to keep eggs for hatching is to wrap each egg in tissue paper and lay it in cotton in a box. Three times a week turn the egg over, or, rather, half over, and keep the box where the eggs will not freeze. They must not be in a warm place, but kept at a temperature not lower than forty degrees or over sixty degrees. Do not use extra large eggs, or those very small or misshapen, and it may be mentioned that eggs laid by hens will produce stronger chickens than those from pullets.

The Indian Game.

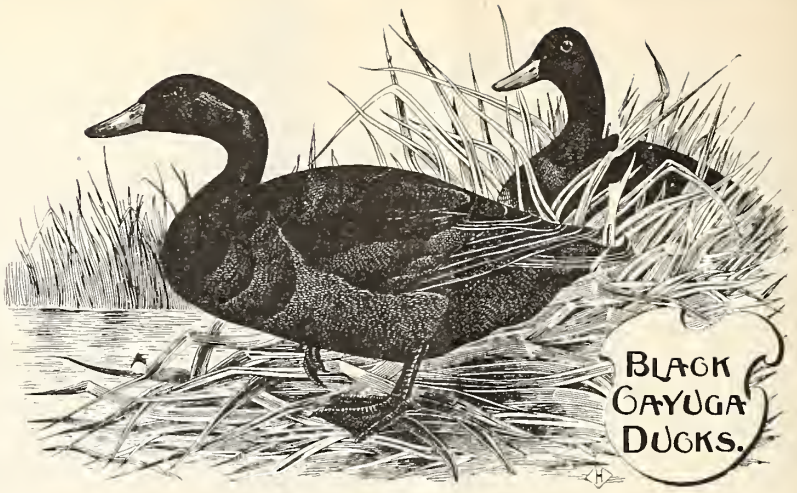
No breed can claim more intricate and delicate markings, and the birds' ability to breed comparatively true makes them all the more desirable. The true fancier will find in them the acme of his ambition, for judicious matings will surely bring grand results. I cannot give in this space a description of the points which the Indian Games must possess, but will briefly touch upon their qualities from a commerical standpoint.

Without doubt they are the quickest growing chicks from the shell up to sixteen weeks of any living breed. Growing a very short feather, the nourishment required by other breeds to grow a long and entirely superfluous feather, in them is utilized in growing meat, and makes them the best broiler chicks yet discovered. Cockerels will easily weigh two pounds at seven to seven and a half weeks of age, and at eleven weeks will go three to four pounds each. As chicks they are very plump and solid, and command the highest market price as broilers. Their growth is very rapid up to about twenty weeks, when a good specimen should weigh, for cockerel, six and a half to seven pounds. A fowl that can make such rapid growth and take on flesh so readily must furnish meat of delicious flavor; it cannot well be otherwise. As a meat bird they surely excel all other varieties.

We find them better layers than we anticipated, and we confidently believe them to be fully the equal of the Plymouth Rock in this respect. A number of America's most prominent artists and judges already admit them to be the strongest rival the Plymouth Rock has ever had, and they certainly present points of superiority over the Rock in many respects. No other variety can be offered to so many classes of people interested in poultry as the Indian Games, and draw from each one a kind word for that particular quality toward which his fancy turns.

While not yet recognized in the Standard, the poultryman has a most valuable bird in the White Indian Game. This beautiful bird possesses all the qualities of its relative. They have the same courageous appearance as the Game, and have the true exhibition station and short, hard plumage of the Cornish Indian Game. Being of one color—a pure, spotless white—they are easier to breed than the Cornish. They make fine table fowls and are fairly good layers. The eggs hatch well and the chicks are plump and robust.

O. K. SHARP.



PAIR OF BLACK CAYUGAS.

The Black Cayuga Duck.

The Cayuga duck, or large Black duck, as it is sometimes called, has long been prized as a domestic breed in this country, though that the breed was ever found wild around Lake Cayuga, as was at one time supposed, we doubt if there is good evidence to show. It is no doubt descended from the Mallard. The general color as now bred is entirely black, but in specimens described in early books on poultry there seems to have been a destinct white collar around the neck of the drake, obviously derived from the Mallard but now bred out.

Their plumage is of a bright, metallic black, with lustrous green reflections on head, neck and wings. The bill is a blue-black, with a very black splash in the middle of it. Their legs are a brown or dusky orange, covered over by a fine net-work of black lines. Their shape resembles that of the Aylesbury; the neck is very long and head and beak long and straight. In size they are quite equal to the Aylesbury or Rouen, and they can easily be made to weigh upward of twenty pounds a pair. Their flesh has a rich, gamey flavor, and, when hung a short time in Winter, they are considered much superior to the wild duck in flavor.

The Cayuga will prove a very useful as well as ornamental breed of ducks for the farmer and fancier. They are hardy and mature at an early age. They are very prolific, produce fertile progeny and are of very quiet habits.

It should be stated that, like other breeds of black fowls, the Cayugas sometimes after molting show an occasional white feather on the breast and elsewhere, but which does not, however, point to any impurity of blood nor does it affect the progeny.



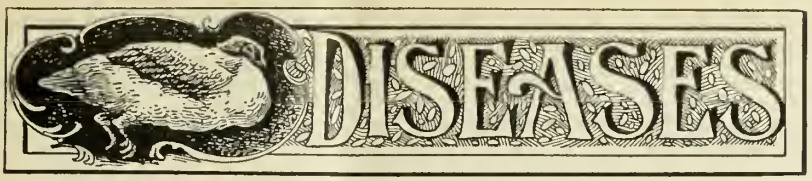
PAIR OF INDIAN GAME. COCKRELLS

A Fine Display.

The third annual show of the Sanatoga and Schuylkill Valley Poultry and Pigeon Association closed on January 2d. The society has since met and paid all outside premiums, and from present outlook will have a small balance to their account as the result of the show. The display of poultry and pigeons was very large and from the expressions of the judges, J. C. Northup and H. A. Koons, there was never a finer display of the feathered tribe anywhere. The displays of Brown Leghorns by W. A. Pierce of West Chester, Pa., J. H. Scher, Coatesville, Pa., W. G. Frouheiser, Pottstown, Pa. and Kerlin & Son, Shenkel, Pa., were exceptionally fine. H. W. Guldin with all colors of Dragoons swept everything as he has been doing at Mt. Gretna, West Chester and Reading.

High Scores.

The fourth annual exhibition of the East Tennessee Poultry Association, held December 16 to 19, 1896, was a complete success. Judge F. J. Marshall scored the birds, and a glance through the list of awards shows some fine scores. The popular varieties of poultry were well represented. The best display of all varieties was awarded to Mrs. R. H. Bell, Knoxville, Tenn. She also won on the highest scoring bird in the show, ninety-six and three-fourths points. Mr. E. Ragsdale won best display on pigeons, and William Crouch won second best on display of pigeons.



CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Catarrh.

BY DR. D. E. SALMON.

ONE of the common diseases of birds is catarrh. This disease is sometimes mild, attacks but a few birds in a flock and is easily overcome. At other times it is more severe, affects all or nearly all of the birds in a flock, and may even spread until it has overrun a large district. Catarrh may, consequently, be a sporadic disease, arising from local conditions operating on only one or two birds; or it may be enzootic and due to conditions affecting all of the birds in a flock; or it may be contagious and spread indefinitely. It is important that the nature of an outbreak of this disease should be early determined by careful observation in order that steps may be promptly taken to check it, if there is any tendency to extension.

SYMPTOMS.

In simple, non-contagious catarrh, the affected birds are more or less dull, they are disinclined to move, their appetites are diminished, they sneeze, there is some obstruction to breathing through the nostrils, followed by a thin, watery discharge which later becomes thicker and glutinous, the eyes are often watery, the eyelids swollen and sometimes held together by the thick viscid secretion. In very severe cases, the birds are somnolent, the plumage is erect and roughened, the nostrils being completely obstructed by the thick secretion, the breathing must be entirely through the mouth and is accompanied by a wheezing or snoring sound. The appetite is entirely lost, a thin liquid escapes from the mouth and the bird soon becomes exhausted and dies. In the milder cases simple catarrh may disappear without treatment in the course of two or three days; or, in case the cause is allowed to persist, the birds may become worse and die, or the disease may become chronic and continue its effects for a long time.

Contagious catarrh appears with the same symptoms as simple catarrh. It attacks a larger proportion of the flock and the birds are more severely affected. Several individuals, or a considerable proportion of the flock may be observed to be dull, to separate themselves, to stand with their heads drawn down to their bodies, their plumage rough, wings drooping and combs dark red. They have a high fever and show great weakness and prostration. In a day or two the secretion from the nose and eyes becomes quite abundant, whitish, thick and sticky, the birds are nearly or entirely blind, their breathing is rapid, difficult and even painful. They may die from exhaustion or from asphyxia due to obstructed breathing. The disease spreads rapidly from bird to bird and from flock to flock. A considerable proportion of the birds may die, in others the disease, remains in a chronic form and renders them worthless for several months. Contagious catarrh is often called roup, but this latter name is also applied to diphtheria, a disease which is distinguished by the formation of false membranes in the mouth, nose and throat.

CAUSATION.

Simple catarrh is the result of undue exposure to cold and dampness or to drafts of air. It is most commonly seen where the houses are damp and filthy, with cracks and openings through which the wind blows upon the fowls. The birds most apt to be affected are those having their strength and vigor already impaired by insufficient or innutritious food, by lack of exercise or by the attacks of parasites. The contagious form of the disease is evidently due to microbes, which probably increase in virulence under insanitary conditions. It is not at all unlikely that microbes which are generally harmless may develop great virulence when favored by filth, by debility of the fowls and by catarrhal conditions. The beginning of an outbreak is easily explained in this way, and its extension and spread may go on indefinitely after the microbes have acquired the power of producing disease.

TREATMENT.

Catarrh is best prevented by keeping the birds in a strong, vigorous condition through proper exercise, good food, clean houses and ventilation without drafts. In case symptoms of catarrh are observed, look for and remove the cause, and give the birds some stimulating food with some cayenne pepper mixed into it. If the disease appears serious and shows the characteristics of the contagious form, separate the sick birds, sponge the mouth and nostrils with a solution of creolin (one per cent.), give quinine one grain or asafoetida two grains twice a day, and disinfect the poultry-houses with carbolic acid solution (five per cent.) and whitewash. The following remedy is highly recommended by Megnin:

Gentian root	4 drams
Ginger	4 "
Sulphate of iron	2 "
Hyposulphite of sodium	1 dram
Salicylate of sodium	1 "

These substances are to be pulverized and then mixed. The dose is three or four grains a day for a medium-sized fowl. Its effects are stimulating and tonic.

The fancier should use great care to prevent the introduction of contagious catarrh to his home premises with birds that have been to shows or others purchased for breeding. It is a disease which once introduced is more or less difficult to eradicate, and is apt to crop out when least expected and after it has apparently subsided for several months or a year. Much trouble and loss may be, therefore, avoided by quarantining for two or three weeks all birds which have come from premises not thoroughly known or from the exhibition room.

When writing our advertisers always mention THE FEATHER.

Ambitious and Enterprising.

Mr. John T. Cugley, Jr., whose portrait is here shown, is one of the busiest fanciers in this city. He was born and raised in Philadelphia, where he was associated with his father in the bird business until about a year ago, when he came here to take charge of the poultry and incubator branch of Mr. Edw. S Schmid's "Emporium of Pets." Since Mr. Cugley has been in the employ of Mr. Schmid, Washingtonians have seen many thousands of chicks, ducks, geese, turkeys, pheasants and ostriches hatched from incubators under his charge. He has helped develop artificial hatching in this section and his practical demonstration has been admired by those interested in the business. He operates several machines, with a total capacity of



JOHN T. CUGLEY, JR.

1,500 eggs all the time. This is done for the benefit of intending buyers. His greatest hatch was, of course, when he brought out those two little baby ostriches; it was an honor he was proud of and his friends wondered for days and days how he did it. That was his business, and both he and Mr. Schmid looked wondrous wise when that pair was displayed in his show windows and the thousands of curious people asked the way it was done. Nevertheless it was a great feat to produce a pair of birds like these under the shadows of the Capitol, in fact, it was a greater feat than hatching the myriads of tiny little peeps that chirped incessantly in his establishment. We congratulated Mr. Cugley then and we do so again and are pleased to present the portrait of so ambitious a young man as he is to the readers of THE FEATHER.

Should be Provided.

Every poultry-yard in which, say, even one hundred birds are reared annually should be provided with a place specially devoted to penning sick birds, where an invalid can be at once isolated and properly doctored. This place must be open to the sun, screened from east wind, dust dry, freely ventilated, yet free from drafts, and warm. The hospital should be whitewashed with hot lime frequently and perfect cleanliness maintained.

The Feather,
Washington, D. C.

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GEORGE E. HOWARD, Editor.

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Washington, D. C.

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FEBRUARY, 1897.

7,131 for February.

A. McSween, of the National Publishing Co., printers and binders, of Washington, D. C., being first duly sworn, states that his firm is printing and binding seven thousand one hundred and thirty-one (7,131) copies of the February number (1897) of THE FEATHER.

A. MCSWEEN.

Subscribed and sworn to before me this 16th day of February, A. D. 1897.

WM. K. ELLIS,
[SEAL] Notary Public.

Ring Out the Old; Ring In the New.

Before the March number of THE FEATHER reaches its readers the present administration of the Federal Government will have passed into history and a new one will have entered upon its duties and responsibilities. The retiring President will have driven down Pennsylvania Avenue from the White House to the Capitol, sitting by the side of his successor, and the incoming President will have taken the oath of office, delivered his inaugural address, and returned from the Capitol to the White House at the head of an almost endless procession, and accompanied by the applause of the multitude, and all the splendor and display with which a nation of seventy millions of people can welcome its chosen executive. This pomp and ceremony will have come and gone; the crowds will have melted away; the bunting will have disappeared, and the new President and his advisers will have entered upon the serious business of executing the laws and directing the policy of this great country.

To no citizens of the United States are these stirring events of more interest, and to none are they fraught with greater material possibilities than to the readers of THE FEATHER. The policy of the administration, and the ability with which this policy is pursued, have an enormous influence upon the business activity and the substantial interests of our people. When business is good, when money is circulating, when new enterprises are undertaken with confidence and pressed with vigor, the poultryman and fancier participate in the general prosperity, and even the rooster's crow has a ring to it which has not been perceptible during the last three years.

We are promised, by the party which is about to control the Government, measures that will cause the wheels of industry to revolve, that will give a new impetus to business and that will bring back prosperity and enterprise to our people. As experienced citizens, we know that a few attractive phrases and glittering generalities enacted into law and spread upon the statute books are not sufficient to exorcise financial depression or to attract the magic influence that compels activity in the various industries.

Let those who have our destinies in their power come to their task with modesty and thoughtfulness. They will need all of their wisdom, all of their courage and all of their strength before they have fulfilled their promises. There is no single measure which can cure all of our ills; no royal road to immediate success. Give us, as a beginning, common sense and common honesty in public business, with a patriotic purpose to conscienciously frame and administer the laws for the benefit of the whole people; give to all branches of agriculture their due share of protection and encouragement; secure for our exporters the same privileges in the markets of foreign countries which the merchants of those countries enjoy in our markets; and for Heaven's sake put a brake upon the legislative mill and prevent to some extent, at least, the grinding out of useless and injurious laws.

As a National journal, THE FEATHER will devote a part of its editorial space to the discussion of national questions bearing upon the interests which it represents. The feathered industries are too great to longer be ignored as factors which contribute to the general prosperity of the country. Partisan politics have no place in our columns; but the broader politics which impartially considers the influence of government upon the business of our readers will receive all the attention which the importance of the subject demands. We stand for recognition, for fair play, for justice, and our efforts to secure these results will increase as our influence and power are strengthened by the increasing support of those who are interested in the same great cause. We have great hopes in connection with the coming administration, but it must be admitted that no cause can succeed at the seat of Government without the active support of its friends. THE FEATHER is now in the fight. How many thousands of poultrymen, fanciers and farmers will strengthen our hands this year by placing their names upon our subscription list before the extra session of Congress meets next month?

* * *

Development of The Feather.

This number of THE FEATHER contains eight more pages than the January number. Such a rapid growth of our advertising business as is shown this month, though unexpected, is a most gratifying surprise. The publishers are determined, however, that the space devoted to reading matter in the several departments shall not be infringed upon, and have, consequently, increased the size of this magazine thirty-three and one-third per cent. This enables us to give more reading matter than last month and at the same time accommodate our advertising patrons. Our readers will find the advertising pages this month to be unusually attractive and valuable. They show who are the great and successful breeders of the country, where needed supplies can be purchased, what there is on the market likely to save the time and money of the busy poultryman. No one can keep up with the times without carefully reading the advertisements published in THE FEATHER; and no business man can expect to get his share of orders who neglects to keep his card constantly before our readers.

* * *

Keeps Growing.

The new advertisers in this issue number ninety-three, a flattering increase over the large list that has been running. The new FEATHER is sure to be more valuable than ever to our advertisers, and our special delight will be to make their ads. pay them for their confidence in THE FEATHER as an advertising medium. This increase is due to the rapidly-growing subscription list and its influence as a strictly up-to-date publication for the practical poultry and pigeon breeders of this country. This month's circulation is 7,131, and from indications of business now in hand it is safe to say that the edition for March will be even larger than this. Advertisers will do well in commencing their business in the March number and catch some of the Spring trade that is in waiting.

* * *

Can These be Beaten?

It is a true saying that a dollar saved is a dollar made. The inducements offered by the combinations below can only be duplicated by those publications and ourselves, and the special arrangements entered into will save dollars to intending subscribers. The three publications named are the leaders of their kind, and THE FEATHER is glad to offer them in conjunction for the single subscription price. *Farm-Poultry* is the best established exclusive poultry publication issued. It is a large semi-monthly and the subscription price is $1.00 a year. *Pigeon News* is the unquestioned leader of exclusive pigeon publications. It should be in the hands of every pigeon admirer. It is a semi-monthly and subscription price is $1.00 a year. The *National Stockman and Farmer* is one of the greatest farm journals published. It is just such a paper as one should have who is interested in farms and farming. It is published weekly; the regular subscription price is $1.50 a year. Now notice the combinations we have arranged for the poultryman, pigeon fancier and farmer. Can they be beaten?

No. 1. For the Poultryman.

THE FEATHER	$ 50
Farm-Poultry	1 00
Total	$1 50

WE GIVE BOTH FOR $1.00.

No. 2. For the Pigeon Fancier.

THE FEATHER	$ 50
Pigeon News	1 00
Total	$1 50

WE GIVE BOTH FOR $1.00.

No. 3. For the Farmer.

THE FEATHER	$ 50
National Stockman and Farmer	1 50
Total	$2 00

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THE CIRCUIT.

A Summary of Three Great Shows of the East.

BY THE EDITOR.

THE three great shows of the country, New York, Washington, and Boston, which were held inside of the last thirty days, may reasonably be termed the fathers of the poultry and pigeon industries of the East. The influences which these shows wield in behalf of the interests of the feathered pets is of untold value to all, and it would be but a short time before the interest would lay if these shows were discontinued. The annual assembly of breeders is one of pleasant longings, and is looked forward to with much impatience by all. The sociability of the show room inspires enthusiasm and awakens fraternity which could not otherwise be had. The mingling of individuals and friendly competition of the birds for honors does more to advance the breeding of fine stock than anything else. Take away the show room and all else will be a blank.

The New York Show, which has been held for eight consecutive years, has done powers of good for the fancy. Year after year the show has been held in the metropolis of America, and it would be difficult to reckon the good which has been done by it. Interest in this show has never abated, as was evidenced by the late one held the three last days of December and the first two days of January. Over 3,000 entries of poultry, pigeons, and pet stock were made and the quality was of the highest. The fine specimens of stock shown impressed the public strongly of the importance of the fancy and demonstrated fully the interest being taken in fine stock. There was no mistaking the event, it was all that could most be wished for and the members of the New York Poultry Association are to be congratulated on their extremely good work in behalf of the feathered tribe. Secretary Crawford's work is invaluable to the interests of the show, his hospitable and courteous treatment of visitors makes things pleasant and home-like. The judges were men of national reputation, whose decisions are held in value by all exhibitors. The judges of poultry were Messrs. Newton Adams, Henry Ball, Sharpe Butterfield, George O. Brown, Robert A. Colt, Dr. W. A. Conklin, J. T. Cothran, Ezra Cornell, George B. Fletcher, J. H. Drevenstedt, F. B. Zimmer and William Barber. The pigeon judges were Messrs. F. H. McCardie, John Glasgow, James Blair, H. A. Koons, J. C. Long, D. E. Newell and W. J. Stanton.

It would be a pleasure to go farther into the details of the show, if space would permit, and give a more extended review of the things as we saw them. As it is we shall be obliged, to be brief and pointed in our remarks.

Last month we published in full the report of the Washington Show, and will now pass on to the last of the circuit, the great Boston Show. This show was one that is of the highest order in more senses than one. It was the second effort of the Boston Poultry Association and their successes were all that could be wished for. It was, without doubt, one of the greatest shows ever held in this country, and a parallel to the best efforts of the New York Show Association. It is a matter of congratulation that the East is assured an annual exhibition of the character of the Boston event.

Mechanics' Building was, though large, crowded to the utmost with fine birds, cats and miscellaneous exhibits, the total number of entries being nearly 3,500. The general arrangement of hall was excellent and the management showed commendable executive ability. Mr. Arthur R. Sharp is just the man for the superintendency of such a great event, and his pleasant treatment of exhibitors and visitors will long be remembered by those in attendance.

The list of judges of poultry is as follows: Henry S. Ball, George V. Fletcher, Daniel J. Lambert, A. A. Parker, Geo. Purdue, H. B. May, T. F. McGrew, Franklane L. Sewell, F. B. Zimmer, William B. Atherton, James Forsyth, George W. Marshall, C. Minot Weld, J. H. Drevenstedt, H. H. Bumford, T. Farrer Rackham, Robert A. Colt, and J. D. Nevius. Dressed poultry and eggs, Samuel Cushman. Pigeons, C. I. Nash, Alexander Hay, C.F. Haven, N. D. Blake, Jr., R. T. Latimer, O. W. Bowman, H. E. Johnson, A. M. Ingram, and A. T. Berry. Cats, T. Farrer Rackham.

The classes of poultry and pigeons were well filled with rare quality birds. The display of Asiatics was immense, and one might travel many miles without seeing their equal. Of course, on Light Brahmas and Cochins, the classes were the hottest. Plymouth Rocks and Wyandots, were superb; especially was this so with the Barred Rocks and White Wyandots. Leghorns, all varieties, were shown in good numbers; Andalusians, Polish, Hamburgs, Dorkings, Standard Games, Game Bantams, Bantams other than Game and Pit Games were strong in numbers and in quality. Turkeys, ducks and geese were of rare merit. The display of pigeons was excellent, all varieties being represented and competition strong. Cats came in for their share of the glory, especially so with the ladies, who thronged the cat room from the opening to the closing of the show. The management has hit a happy idea with their cat feature and it may be a decided suggestion to other shows to add this feature to their exhibit.

The one thing in which Boston excels all others is in dressed poultry and eggs. This is one of the most attractive, beneficial and convincing evidences of the meritorious qualities of the thoroughbred for practical purposes. It was a delight to see this exhibit, to some it was entirely new, while to all it was interesting. All kinds of poultry were here dressed in the best manner and ready for the table. Many of those who contend that the ordinary farm fowl is superior for the table would have profited by this display of dressed poultry, and changed their minds as to which is best. Take for instance the pair of dressed Light Brahma hens exhibited by Oakland Farm. This pair of birds were firsts in life, and in this show won as dressed fowls, first as best pair Brahma fowls, first and second as best and most yellow meated pair of fowl, first as heaviest and best dressed pair of fowls, besides two specials. They were superb in appearance and attracted much attention, their weight being for the pair twenty-three pounds. It was a victory for the Brahma and thoroughbred as table fowls. It is said that the proof of the pudding is in the eating, and for proof in this case, the writer can say that he never sat down to a more dainty dish of fowl than these. Those who sat at the same board will substantiate this.

Better Times Ahead.

There are few indeed who will regret the passing of the year 1896. Many thousands will remember it only as a terrible struggle for mere existence during those gloomy days of general business depression and financial failure; nor can the poultry industry be pointed to as a solid rock of prosperity during this period. Poultry profits, like those of nearly all farm products, have been very small; prices have generally been below the cost of production to the farmer.

What a blessing and aid a well-regulated poultry-yard of thoroughbreds, or even the despised flock of barn-yard scrubs, has been in "making both ends meet," and converting bushels of grain into products easily available for food. All honor to the American hen!

But even this hard struggle or getting down to a "rock bottom" basis of living has taught many lessons. So we trust that our friends of the poultry fraternity can be thankful for a few bright rays gleaming through even the darkest days, encouraging them by thoughts of better times ahead.

And now, as looking backward on the causes and results of past methods, cannot this knowledge of past experience aid in formation of better plans for the future? Let each one help to push forward the advancement of all in the poultry world. Do our share of this work if we would profit in a successful result. Subscribe to several poultry journals. Write your own experiences and help some one to avoid the hard rubs you have perhaps passed through.

The write-ups in the progressive poultry press of visits to successful, large hen farms and prominent fanciers are of utmost value to the beginner, because they give, in part at least, the actual surroundings, plans and methods that have helped these breeders to attain success. So for the beginner on the journey there are helping hands to pull him out of dangerous ruts; and signboards covered with directions, the results of years of labor, experience and reasoning of old travelers, along the road.

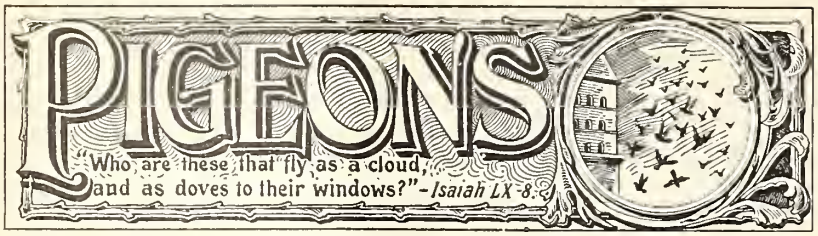
Advertise, crawl out into the light, make it easy for people to learn about your stock and what they will gain by purchasing of you. Be an active member of some poultry association, try to make it a benefit to the other members and yourself; not a club whose only purpose seems to be the wrangle at the annual election of officers. Exhibit your birds and give the boys a hustle for the prizes, even if you cannot show a carload of different breeds and win pianos. It's quality, not variety, after all, and the exclusive one-breed man, the specialist who devotes himself to success along one line, receives the cream of the prizes and the big-priced orders from those who want the best.

Let us all adopt modern, progressive business methods in every transaction and strict honesty as the best financial policy. In so doing you will help form a great fraternity or brotherhood of earnest, honorable workers in poultrydom, whose united efforts must sooner or later force the rascals down.

Why not, then, practice a little more care, consideration and constant study, put our shoulders to the wheel and make it roll merrily forward in 1897 along the road of improvement?

WM. H. RHEES.

Las Cruces, New Mexico.



CONDUCTED BY J. C. LONG, NEW YORK CITY.

THE DRAGOON.

The Dragoon Club's Standard of the Game Cock of the Fancy.

BY C. E. TWOMBLY.

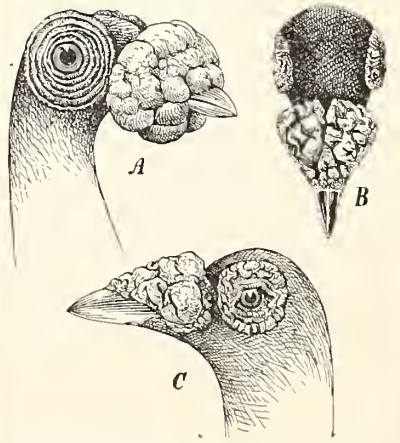
THE Dragoon has been termed "the game cock of the pigeon fancy," and my experience with them has convinced me that they are rightly named. Many different opinions exist as to the proper type and standard of the Dragoon, but fanciers, as this variety becomes more popular, are fast becoming acquainted with the standard which has been adopted by the American Dragoon Club. The name Dragoon is usually recognized as the proper term. Still we very often hear Dragon used. The former, I believe, however, has been decided upon as correct, by the best authority. In shape, make-up and carriage, the Dragoon differs from any other variety of the pigeon family, although some still claim that a Dragoon is nothing more nor less than a poor Carrier, and I will try to explain wherein such assertions are entirely wrong.

First, I will take the beak, which should be as stout and thick as possible, and not appear to be long. The beak should measure just one and five-eighths inches from the center of the eye to the tip end. It should have a blunt appearance at the point, and both mandibles should fit close together. The lower should be of the same thickness as the upper. This is a very hard point to obtain, and very few specimens have been shown in this country having this desirable point to perfection. A beak such as I have described is called a box beak, and in this respect does, somewhat, resemble the Carrier, except in length, as the standard length of beak for a Carrier is one and seven-eighths inches, and as much longer as it is possible to breed them. The beak-wattle should be peg-shaped; that is, raising up quite abruptly at the back and tapering off gradually to as near the end of the beak as possible. It should also be in one piece, or lump, and quite smooth; that is, not divided or cauliflower in appearance, as is seen in the wattle of a Carrier, and it should never grow higher than the top of the head. I prefer a Dragoon to have a good-sized wattle, so long as it retains the proper shape and can be kept free from jewing on the under mandible. The color of the beak-wattle should be light, having a powdery look.

The eye-wattle should be small, and in this respect is the exact opposite from a Carrier. The texture of the eye-wattle should be quite fine, and not at all flabby or fleshy. In shape it should be circular, at the same time having a pinched appearance at the back. There should be as much space as possible between the eye-cere and the beak-wattle, so as not to give a crowded look. The color of the eye-cere or wattle should be of a sort of damson or bluish hue. The eye should be large, full and bold, and of a very watchful expression, giving one the idea that it is ever ready to take flight at the slightest warning. The head, while it should not have a coarse look, should be as large and massive looking as the rest of the bird's make-up will allow and not look out of proportion. It should be wedge-shaped, broad at the back, tapering off to match the thickness of the beak. The skull should be oval-shaped, and free from flatness on top. Cocks are much easier to breed good in this respect than hens. The neck should be short and stout, settling down on good broad shoulders.

On gullet, there seems to be a difference of opinion. The standard as adopted by our club, says: "Neck short and thick, without gullet, and widening boldly from head to shoulders," while Fulton says: "A Dragoon should have a full gullet." I am inclined to favor Fulton, for the reason that I think a bird showing a little gullet will also appear to have a stouter beak than it otherwise would, which is one of the main properties we are after. Shoulders should be very broad and strong, carried well up and forward. The breast should be full and round, with wing-butts projecting in front, which gives the appearance of great muscular power. The wings should hug close to the body, with flights carried well up over the tail. The legs should be set well back towards the vent, with good, stout, well-feathered thighs, and from the hock to the sole of the foot should measure one and one-quarter inches.

The Dragoon is a very tight or hard feathered bird, and its entire feathering should have the appearance of fitting like a skin. The back should be slightly hollow, but quite flat across the shoulders, and the body should taper rapidly from the shoulders to the tip of the tail, giving the bird a wedge-shaped look from every point of view. The whole length of the body from the point of the beak to the extremity of the tail should be about fifteen inches. The tail should be short and carried clear of the ground, and extend not over one-half inch beyond the tips of the flight. This gives the Dragoon its short-feathered and cobby appearance.



Head of Dragoon and Carrier, showing head properties
A. Head of Carrier.
B. Top of head of Dragoon.
C. Head of Dragoon.

The standard colors for Dragoons are blue, silver, grizzle, red, yellow, dun, white and black. Blues are generally conceded to be nearest to perfection, and at large shows, where all colors compete, a Blue is usually the winner, although Grizzles are favored by some judges. In breeding Dragoons, my experience has taught me that old or heavily wattled parents are most likely to breed a larger percentage of good young. Young from such parents mature better, and grow a larger wattle the first year than those bred from smaller wattled or young stock. I have had some success with crossing a young hen with an old cock, and have bred in this way several young that have matured early. At the present time, when young bird classes are given at all of the leading shows, it should be the object of the Dragoon breeder to produce young that will mature as early as possible. Three very important points to steer clear of in breeding Dragoons are, long feather, flat heads and Roman or hook beaks, and I might add one other and say spindle beaks. Long feathered cocks can sometimes be used on short feathered hens, for I am a firm believer that the young almost invariably take shape after the hen, and color from the cock bird. As I have said before, good, round-headed hens are very rare. For this reason, the desirable oval shaped skull is hard to breed, and I would warn breeders against the use of a flat-headed cock, under any circumstances.

Roman faces are seen more frequently in Yellows than in any other color, and breeders of this color should study this point well in mating. I have been obliged to omit a great many important points in this brief letter on the Dragoon that might be of interest, such as breeding for color, etc., which I may take up in another chapter at some future time.

A New Election.

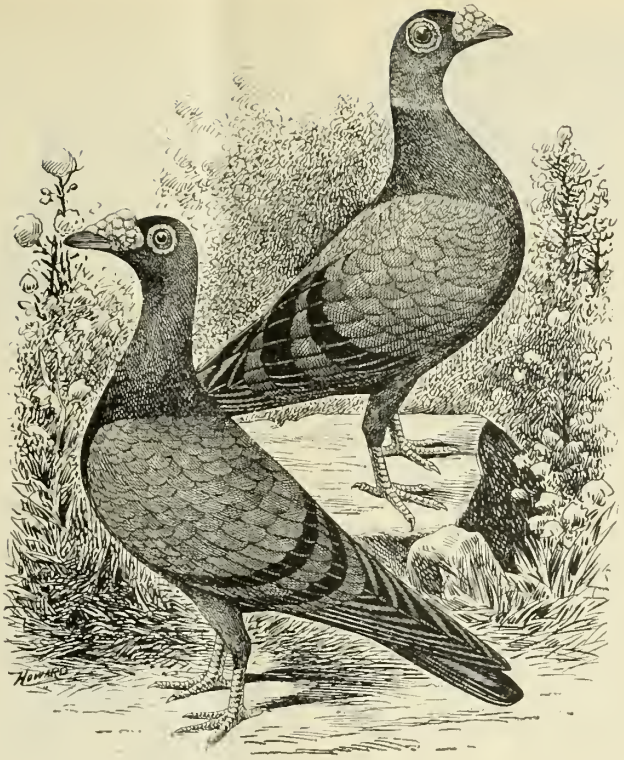
Of the many specialty clubs that have been formed during the last two or three years, none have been heard of less than the Swallow Club.

This is no fault of the Swallow for as Mr. Fred Heintz of Boston, Mass., said, the Swallow is a pigeon of distinct peculiarities, holding in the present day, as in the past, its undisputed claim of ranking first among German Toys.

The trouble seems to have been that the officers and members did not take the interest in the club that they should have done, nor did they give this beautiful variety the attention it deserves by making large entries at the different shows, where they could have been seen and admired.

I received a letter from our present secretary, Mr. C. E. Twombly, stating that he would soon send out voting slips with list of members from which to select new officers. Mr. Twombly states: "I am too busy to take any more offices of this kind, it is impossible for me to do justice. I suggest G. A. Fick of Baltimore, Md., for secretary and treasurer."

I also received a letter from Mr. Aug. Joos, Peoria, Ill. He states: "My choice for new officers would be G. A. Fick,



PAIR OF DRAGOONS.

Baltimore, Md., for secretary and treasurer; Fred. Heintz, president; E. L. May, 1st vice-president; Carl Weick, 2d vice-president. He further states: "I will do all I can for the success of the club, and with new officers the club will have new life put into it and I am sure it will soon be the equal of any." Members will have ample time to see one another to talk over the election of new officers or correspond, and I hope they will elect officers who have had experience in breeding Swallows, and who have the time and are willing to devote some of it to writing to members and papers, and keep every one posted on what is being done in the club. I am always pleased to hear from members or Swallow breeders, and hope all the breeders of Swallows will join the club.

G. A. Fick.

Baltimore, Md.

Just Organized.

On February 7th, at the residence of Mr. W. Harry Orr, Reading, Pa., the American Turbit Club was organized. After a general and lengthy discussion as to the policy of the proposed club, an election of officers was held and a permanent organization effected. The election resulted as follows: President, John G. Orr, Princeton, Ky.; vice-president, W. Harry Orr, Reading, Pa.; secretary and treasurer, Wm. W. Kline, Reading, Pa.

WM. W. KLINE,
Reading, Pa. Sec'y and Treas.

Election of Officers.

I now have the pleasure to announce the election of officers of the American Archangel Club: President, Dr. W. A. Gibson, Jackson, Mich.; first vice-president, George G. Fetteroff, Langhorne, Pa.; second vice-president, F. J. Simon, Mannington, W. Va.; secretary-treasurer, J. H. Burley, Shillington, Pa.

With the co-operation of the above officers and members of the club it is bound to be a success. Breeders of Archangels who are not yet members of this club should at once make application, and also state what leg band they favor, the English or the American. The band question should be settled immediately, so that they can be ordered and be in the hands of the breeders before the breeding season is upon us. I would suggest that the club bands be ordered by the secretary and the numbers registered in a book kept for that purpose and then be distributed among the members in such quantities as may have been ordered by them. By complying with the above, considerable confusion may be avoided and greatly assist show committees in returning the birds to their respective homes. Every member will then have different numbers.

Next in order will be the adoption of a standard. I expect to have the English Standard and one proposed by one of our members printed and submit a copy of each to every member for their consideration. Any other information will be cheerfully given.

J. H. BURLEY, Sec'y *pro tem.*
Shillington, Pa.

An Informal Meeting.

A number of interested members of the American Water Fowl Club being present at the Boston Show an informal meeting was held on Thursday evening, January 28th. The members present were: President T. F. Rankin, who presided; J. F. Crangle, Geo. H. Pollard, James Rankin and Samuel Cushman, the latter serving as temporary secretary. John Weber, H. R. Hayden, Jr., and W. A. Smith were also present by invitation and took part in the discussion.

Mr. Crangle proposed and Mr. Pollard seconded the name of W. A. Smith, Whitney's Point, N. Y., as a member of the club. John Weber, Wrentham, Mass., and H. R. Hayden, Jr., East Hartford, Conn., were also proposed by Cushman, seconded by Crangle. These gentlemen were unanimously recommended by vote and the matter was referred to the executive committee for confirmation. Mr. James Rankin proposed the cutting of Pekin ducks by judges for black on the bead of bill be entirely done away with. Mr. Pollard was in favor of striking it out of the list of disqualifications, but thought it should be cut. John Weber said that according to the present Standard three-quarters of the best ducks will be disqualified when they lay their first egg. Weber had marketed 20,000 ducks the past season and was not without experience. Although the bead might not develop the dark before the time for laying, it did after they laid the first eggs. Mr. Rankin said that the best ducks had the dark bead and should be allowed and not even cut. This matter was pretty thoroughly discussed by all hands and it was generally acknowledged that not only the Chinese imported birds, but the best and most valuable the breeder now raises have the dark bead. It was agreed that it was not for the best interest of the breed for market purposes to do away with it. It was the nature of the breed to have it and to breed it out would decrease the size. A motion was made by Cushman, seconded and unanimously passed that all interested, members of the club or otherwise, are requested to state their views in writing as to what changes should be made in the new Standard for Pekin ducks, geese or other water fowl and send it to J. F. Crangle, Fisher's Island, N. Y., who is a member of the American Poultry Association committee on the revision of the Standard and who has been appointed by the American Water Fowl Club a committee to represent them in this matter.

A very lively discussion on the desirability of white or creamy-white plumage for Pekin ducks was then carried on, whether white should be given a slight preference over creamy-white in order to prevent birds being bred too yellow or to the other extreme. It was also proposed that the club ask all score-card shows to weigh all water fowl upon their arrival at the show. It was moved by Pollard and agreed to by all that black in bill ought to be crossed out of the Standard disqualifications, even if judges are not instructed to refrain from cutting for it on dark bead. Mr. Weber suggested that each and every large breeder, when dressing ducks the coming season, should pick out the best of his product, put it in cold storage and next Winter show it at the poultry shows. This it was thought would give a practical demonstration as to which of the various types of ducks now bred made the best and most salable dressed duck, the real measure of its value.

After a very interesting meeting, during which there was a general and free expression of views, the meeting adjourned.

SAMUEL CUSHMAN.
Pawtucket, R. I.

Should be Approved.

Nothing can be said about the proper conditioning of pigeons for the show room, such as washing the plumage, feet and eyes, handling so as to remove all timidity and any other honorable treatment that fits them to make an attractive appearance. Plucking feathers, trimming or coloring and the many other little tricks known to professionals should be condemned, but any honest treatment that betters their appearance should be approved of and recommended.

J. C. L.



BREEDING SQUABS.

A Calling that Requires Patience, Care and Attention to Make It Pay.

BY D. Z. E.

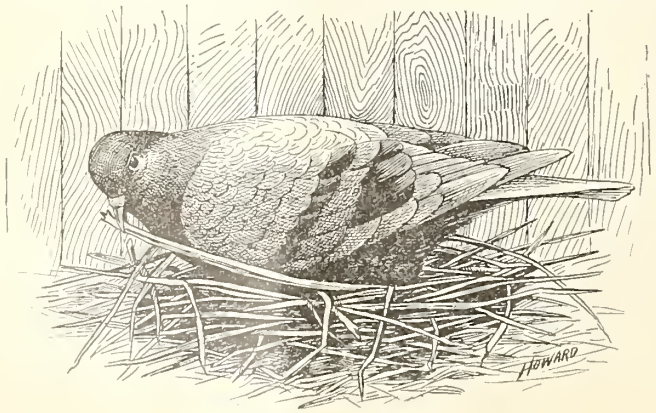
BREEDING squabs for market purposes is assuming considerable proportions in and near our large city markets, and those who have engaged in it and are prosecuting the business properly find it very remunerative. We know of two persons who do scarcely anything else but rear squabs for sale, and they seem to be satisfied to live on the generous profits they are enable to secure therefrom.

Like everything else—in fact, like poultry breeding when it was in its infancy—no mere enthusiast or novice need expect to make it pay for a while, if at all, for it requires patience, care and strict attention to cleanliness and the varied details of the business, to secure plenty of large, fine and salable squabs, and at a time when they readily command the highest prices.

Common pigeons will do just as well as any other for breeding squabs from, but they must be large and good breeders and careful with the eggs and their young, else they will not be profitable. The pigeon fanciers—those who raise fancy pigeons for sale as such—often have badly marked hens, birds which have too many "outs" to be sold and shipped at a high price. These hens are quickly snapped up, as a rule, by the squab breeders at a price but little above the price of common pigeons, provided the birds meet the requirements in size, etc. In fact, some of these squab breeders have regular contracts with the breeders of fancy pigeons and with the bird stores to take all the old and illy-marked birds (hens) which will serve their purposes.

No birds are ever raised by these squab breeders, but the hens are kept as long as they prove profitable, when they are either exchanged for other or younger hens, or sold for what they will bring, dead or alive, and other ones substituted. The hens are watched carefully, and none but those which breed fast and bring good, large and fine birds are kept a day longer than possible. The males too are large, heavy-bodied birds, irrespective of breed or markings. The breeding stock is seldom, if ever, permitted to fly out, but a good-sized room or building is used, and adjoining this is erected a large place with a rain-proof roof and the sides made with slats or wire netting, so arranged as to be a good, airy exercise room, but still admitted of being protected from severe storms by weighted curtains of canvas or other suitable material. By this means all droppings are secured, and these are in great demand at a round price by certain leather manufacturers or dressers, hundreds of barrels being annually used for this purpose, the cash readily obtained for the manure going far towards paying for the food which the pigeons consume.

One or two years' experience in a small way will enable almost any one to gain sufficient knowledge to commence breeding squabs for market purposes on quite an extended scale.



BUILDING HOUSE.

A Talk on Pigeons.

I have taken your valuable paper for some time and have derived wonderful help from it. As I am an enthusiastic pigeon fancier I would like to give a little talk to the readers. I have bred pigeons since a small boy, have had a number of different varieties and at last I have settled with the sturdy Homer. Few have bred pigeons that have not met with disappointments, and experience has taught me many valuable things. One thing that caused me much trouble was that in breeding fancy pigeons the old birds would at times neglect to feed their young, so I began to feed them myself. Some one told me to put feed in my mouth and poke the bird's beak in and he would feed himself; so I tried it, and it takes about nineteen or twenty minutes to feed one and when there was more than one I would get tired with such slow work; now I can take a dozen youngsters at any age, it makes no difference, and while one is fed from the mouth I can feed the other eleven and have them back under their mother's wing. I was some time in inventing the apparatus and the proper food, but I have had splendid success with it and saved many a valuable bird with the feeder. At night I can go through my loft with the feeder and in a few minutes I will feed every young bird neglected. I will soon be ready to give every pigeon breeder a chance to try it if they want to rear good, strong, healthy birds. Hoping you will favor me with space in your valuable paper and with best wishes to you, I remain, Yours,

JAMES M. TYLER, JR.

Bridgeton, N. J.

A Judge.

Mr. W. J. Stanton was born February 7, 1850, in New York City. When he was nine years old his family moved to the country, and it was only a short



W. J. STANTON.

while before the young boy became interested in poultry and pigeons. His father purchased him some common pigeons, which for six years claimed his care and attention. In 1865, a neighbor seeing his interest in his pets, presented him with a pair of Yellow Tumblers and a pair of Black Magpies. These were his first thoroughbreds and marked the beginning of an active career in behalf of pigeons. In 1870 he was placed in charge of the Warren Street lofts of the New York Pigeon Club, where he remained until the disbandment of the club. In 1876 he opened a place of his own, and has sold fine fowls and pigeons from that day to this without interruption. His business sprang into popular favor at once and soon became headquarters for the fancy. In 1880 he did his first judging for the New York Columbarian Association. His careful work and impartial decisions attracted the attention of all, and it was then only a short step to more extended fields of labor. Since then he has been recognized as one of the most competent pigeon judges in this country, and no show of importance has been held without him in the aisles as a judge.

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Langhorne, Pa.

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Satisfaction guaranteed. Address, with stamp, C. F. CHAMBERLAIN, 1014 Bartlett St., Milwaukee, Wis.

Season of 1896.

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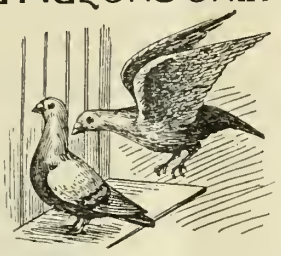
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DR. R. H. EVANS,
1819 F Street. Washington, D. C.



LILFORD HALL.

The Home of a Noted Fancier and His Birds.

The late Lord Lilford was a great naturalist, and the grounds of Lilford Hall, near Northampton, contain an extraordinary collection of birds and beasts from all parts of the world. J. A. Owen spent a fortnight there not very long ago, and in the September *Pall Mall Gazette* gives an account of what he saw. Among the denizens of the grounds is "Barbara Allen," which was Lord Lilford's favorite goshawk. The bird, which came from France, has taken several hundred rabbits in her time there, besides other quarry, and as many as twelve of the former in one morning. After her Autumn molt she is flown; this rabbit-hawking is practiced from the end of her molt to the end of April. A good goshawk strikes a rabbit by driving a hind claw into the spinal marrow, paralyzing the animal, and does not, as represented in a recent work, take it by the hinder part. Under a find old cedar at the corner of the terrace gardens, Barbara has her perch, in the company of three peregrine falcons.

An interesting sight near the court is the large eagle yard. In all it contains about twelve species of eagles, besides vultures, buzzards, hawks and others of the falconidae. The patriarch of the eagles, a female whitetailed or sea eagle, commonly called the erne, had been taken from a nest in the Comeragh Mountains, County Waterford, in the Spring of 1854, and she was received at Lilford in July of the same year. She looks likely to live for forty years longer; and, although at first she was very savage, she is now quite tame. There is a large black vulture, which has been there since 1869, which usually lays two eggs every March. This, the writer says, is a decided wag of a bird; she has adopted an affected and most comical way of walking, mincing about and holding up her great wings about her as a skirt dancer does her voluminous folds. The folks who visit the aviaries are always charmed at this show-off for their benefit.

The character of Lord Lilford's collection was a raven taken from a nest in Northern Spain, and given to his lordship twenty years ago. It was called Sankey. This name he used often to repeat, as though proud of it; and he very quickly made himself at home on the lawn near a large old beech, at the west corner of the house. This bird always made a point of meeting any one who came out of the hall door, and if it happened to be a man or a boy, Sankey had a provoking habit of seizing him by the trousers or pecking at his shoe leather; but he was never so ungallant as to attack any feminine fripperies. Any dog, large or small, he always went for, gave a vigorous dig at its hinder parts, and then retired to some secure point, from which he would bark in derision at his irritated enemy. Some years ago a raven was brought from the south of Spain, and the last part of Sankey's life was spent in companionship with one of his own kind. When Sankey died he had been at Lilford Hall seventeen years.

Bird of Paradise.

A new Bird of Paradise has been discovered in New Guinea, and named by ornithologists in honor of King Albert of Saxony, Pteridophœa Alberti, Pteridophœa meaning a carrier of feathers. Although the range of the Paradiscidæ is limited to New Guinea and the adjacent Papau Islands, they occur in an infinite variety of plumage and colors.

Both sexes of these Birds of Paradise are distinguished by the enormous development of certain parts of their plumage, but the males are favored with an exceedingly beautiful varigated covering. They are about the size of the common jay. Their heads and necks are covered with short, thick feathers, resembling velvet, of a bright straw-color above and an emerald-green beneath. From under the shoulders on each side springs a dense tuft of golden-orange plumes, about two feet in length, which the bird can raise at pleasure, so as to enclose the greater part of its body. The two center tail-feathers attain a length of thirty-four inches, and being destitute of webs, have a thin, wire-like appearance. The females are of a dusky brown and possess neither plumes nor lengthened tail-feathers.

Only two specimens of this beautiful bird are in captivity. One is in the Royal Zoological Museum at Dresden, and the other is afforded a conspicuous place in the Museum of Natural History in Paris.

Second Annual Meeting.

Editor The Feather:

The second annual meeting of the Baltimore Canary Breeders' Association was held at Mr. Christian Bohn's, 523 West Lexington Street, and was unusually well attended, President H. Hellmundt in the chair, and the following members present: Christian Bohn, F. Dettmar, G. A. Fick, George Brehm, Henry Brehm, J. Schmidt, F. Herd, Wm. Schmid, E. Goecke, F. Kummell, Geo. Cottrell, A. Rothman, Geo. Haffer, Louis Scriba, A. Homburg.

Reports from the secretary and treasurer were read showing an increase in membership and the funds in the treasury. The members expect to have a good sum laid by to pay premiums and expenses of the next exhibition and the association may be considered in a very prosperous condition in every way.

Election of officers being in order, the following were declared elected: Mr. H. Hellmundt (re-elected), president; Mr. Christian Bohn, vice-president; Mr. F. Dettmar (re-elected), secretary; Mr. G. A. Fick, treasurer and corresponding secretary.

At the last meeting the following new members were elected: E. Goeche, F. L. Kummell, G. Cottrell and A. Rothmar, all of Baltimore, Md. The show committee reported that twenty-three canarics had been sold at the show held Dec. 14, 1896, and that the association scored a success, and came out ahead financially. After business of minor importance had been transacted a resolution was unanimously adopted thanking the show committee and officers and Mr. Christian Bohn especially for their excellent management of the show. All efforts will be exerted by the members to keep and raise only the best singing canaries, their principal aim being to obtain a soft, flute-like singing quality; the chopping, loud singing of most canaries will not be tolerated.

A vote of thanks was extended to the retiring treasurer, Mr. Christian Bohn, for the able manner in which he managed the finances and all other affairs of the association and for his kindness in again offering the association the use of the meeting room with all conveniences free of charge.

A movement tending toward the further awakening and fostering of interest in the meetings was discussed and the outlook for the coming year seems in every way bright. Several members have imported fine Andreasberg canaries from noted breeders in Germany. These with the stock on hand ready to mate will give the association the finest lot of sweet, soft, flute-like singers in this country.

G. A. FICK.
Corresponding Secretary.

Glad He is Coming.

Mr. John C. Jacobs, Texas, is coming to Washington; he will be on his way here ere this copy of THE FEATHER is received by its readers. It will be remembered that Mr. Jacobs is known as the largest trapper of birds in this country, sending more Mocking and Red birds to market than any other two in the business. He will bring a carload of Mocking birds, Red birds, Mexican parrots, quails, wild cats, etc., to Mr. Schmid of this city, who handles everything which Mr. Jacobs captures in his wild and native country. We are glad he is coming.

Clubbing List.

Name of Publication	Price Alone	With The Feather
The Feather	$0 50	
American Fancier	1 00	$1 00
American Poultry Advocate	25	60
American Poultry Journal	50	75
American Stock-Keeper	1 00	1 25
Fanciers' Review	50	75
Farm-Poultry	1 00	1 00
National Stockman & Farmer	1 50	1 25
New England Fancier	50	75
Ohio Poultry Journal	50	75
Pigeon News	1 00	1 00
Poultry Keeper	50	75
Poultry Monthly	1 00	1 25
Practical Poultryman	50	75
Reliable Poultry Journal	50	75
Rural Californian	1 00	1 00
Southern Fancier	50	75

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THE BUSINESS WORLD

As Viewed From the Columns of The Feather.

THE THREE LEADERS.

One of our enthusiastic advertisers and breeders is Mr. W. T. Greene, proprietor of the Maple View Farm, Hopkinton, N. H. Mr. Greene has been in the poultry business for a long time and has scored a success. He is a breeder of Black Langshans, Barred Plymouth Rocks and Black Minorcas, the three leading varieties, he says, in the world. He has stock and eggs always for sale and guarantees satisfaction to his customers. We show in illustration a Black Langshan cock, just as nature made him, without any changes or touching up. Mr. Greene has a good bird in him and we feel sure he is right when he says that he is a "grand old bird." The photo. was taken last Summer and, of course, he looks a little rough, as all old birds do at that season of the year. Besides he had a full crop when the photo. was taken, and this does not improve his outlines. Yet, behind all these defects, if such they may be called, we cannot but recognize the sterling qualities that the bird possesses and see a beauty that is more than skin deep. If you want some good stock write Mr. Greene, enclosing stamp, and he will quote you prices to suit.

"BLUE RIDGE."

We publish an illustration of the prize-winning Barred Rock hen, "Blue Ridge,' owned by Mr. A. E. Warner, Lincoln Va. Mr. Warner is one of the foremost breeders in the State of Virginia and has won premiums in some of the best show rooms in the country. He is also a judge of poultry and holds quite an enviable reputation as such. He was born near Hamilton, Va., in 1863, and was brought up on a farm. He commenced breeding fancy poultry at the age of fourteen and has continued in the work without cessation. For the last eight years he has made a specialty of Barred Plymouth Rocks and Brown Leghorns, sparing neither time nor money in bringing them up to their present high state of perfection. Where their strength has been noticeable is in nice yellow beaks and legs, with strong under-barring, and their victories at America's greatest shows have caused them to be sought after by many who love the noble breed. He has them to-day, so he can guarantee grand specimens from matings to produce either males or females. He uses the double-mating system; one mating for exhibition males and another for exhibition females, believing that real choice exhibition males and females cannot be produced from single matings. He raises hundreds of chickens each year, and when large enough gives them unlimited range and does not house them until Winter, thereby insuring great strength, health and size, which adds wonderfully to the breed. In 1891 he was elected president of the Loudoun County (Va.) Poultry Association.



"BLUE RIDGE," OWNED BY A. E. WARNER.



BLACK LANGSHAN COCK, OWNED BY W. T. GREENE.

A GOOD FIRM.

The Messrs. Knapp Bros., Fabius, N.Y., begin advertising their superb stock to the readers of THE FEATHER. These gentlemen are well known all over the country and their stock has been shown, either by them or in the hands of their customers, in nearly every show room there is, and it is seldom, if ever, that they do not win the cream of the prizes. These gentlemen have been raising stock for a number of years, and each year they improve with new blood that may be needed to tone up and keep them in the foremost ranks. This statement is verified by the fact that they bought the first-prize White Wyandot cockerel at New York this year to introduce new blood. This is a grand bird and one to be admired in a thousand; besides winning first, it also won a special at the same show. At the recent Boston Show these gentlemen had the best exhibit of White Wyandots in America and won the grand special offered by the association. Their White Leghorns are fit running mates to their Wyandots, and their share of the honors was exceedingly large and competition was tne strongest. We are glad to introduce them to our readers and feel that an opportunity is offered to buy some fine stock.

TRANSFER OF STOCK.

From the lofts of G. R. Bayle to I. H. Wooley, New York, N. Y.: White Dragoons, 133, 466, 714, 723, 725, 726 and 744; to C. E. Leedig, Hummelstown, Penna.; Black Dragoons, 75 and 756; to R. E. Fitton, Pawtucket, R. I.: 1896 bred Homers, 709, 719, 761 and 764; to David Harris, Penn Station, Penna.: 1896 bred Homers, 670, 693, 762, 765, 798, 799; to G. Waltner, Hamilton, Ohio: Breeding Homers, 479 and 694; to H. J. Opperman, Anselma, Penna.: Breeding Homers, 470 and 669.

THEY ARE WINNERS.

Single Comb White and Buff Leghorns are the specialties of the Messrs. Hamme Bros., Smith's Station, Pa. These gentlemen made a splendid entry at the Frederick show and were extremely successful. On Buffs they won first and second on cockerels; on Whites, first cock, and first cockerel. They are advertising for sale about seventy-five youngsters from this stock. They also have some Light Brahmas and Single Comb Brown Leghorns for sale. See their ad. elsewhere, write them for wants and be sure and mention THE FEATHER.

THREE GOOD YARDS.

Mr. C. L. Blanton, Falls Church, Va., is a breeder of Cornish Indian Games, Black Minorcas and Barred Plymouth Rocks. He has an elegant place for his birds and takes especial delight in



FIRST SHIPMENT OF TURKEYS TO ARGENTINE REPUBLIC BY FISHER'S ISLAND FARM.

breeding only the best. His Indian Game breeding pen is headed by a male from a trio imported by Hampton Farm and females from Schrade. His Black Minorcas are equally as good, his pullets being from Allen's pen, which took first at Hagerstown last October, and the cockerel which heads this pen is from McCormick, who captured prizes at New York, Washington and Hagerstown. His pen of Barred Rocks is headed by a cockerel from Ridgely's yards and females from Hawkins and Hunter. Mr. Blanton is enthusiastic in his work, having been interested in poultry for a number of years. He only has the best and tries to improve his stock when improvement is needed.

THE FIRST EXPORTATION.

The half-tone plate shown on this page is sure to prove of interest to the reader. It shows a shipment of six Bronze Turkeys ready for a journey of thousands of miles. The shipment was made by the well-known Fisher's Island Farm to Mr. Felix L. De Castro, the vice-consul at Buenos Ayres, Argentine Republic, South America. Mr. De Castro ordered them for a very wealthy gentlemen at that place, who will breed them, and if possible try and introduce the great American Bronze to our South American friends. It will take twenty-eight days for the journey, and Mr. Crangle, the manager of Fisher's Island Farm, says if this shipment is successful, there are many larger orders from that country for more turkeys and other fowls. Mr. Crangle is satisfied that the trip will be made all right and that the experiment of the first order will be an opening for a new line of trade to that country in fine stock. Fisher's Island Farm is one of the largest institutions of the kind in this country and the stock they carry is of the finest. At the leading shows of the East and West their birds are always donned with blue ribbons, specials, etc. At the New York, Boston, Washington, Hagerstown and Kansas City Shows they exhibit their birds each year. Besides turkeys, they breed Barred and White Plymouth Rocks and Pekin Ducks. Their large, new ad. will certainly attract the attention of the readers and the fine copyrighted cut of the singing turkeys tells plainly the story of the happiness that is the lot of the "turk" in their home on the Island under the management of Mr. Crangle. THE FEATHER congratuates him and is pleased to have the honor of launching the "Song of Praise" to the country at large.

A TESTIMONIAL.

COLLEGE PARK, GA., Dec. 17, 1896.
K. L. Shellaberger, Esq., Atlanta, Ga.

DEAR SIR—Some eight or nine months ago we purchased some 200 rods of your 50-inch No. 1 Cabled Field and Hog Fence and some 60 rods of the 50-inch Poultry Fence. With the hog fencing we placed the posts fifteen feet apart. It was easily erected and makes a very substantial fence, and for general farm purposes, where it is desired to turn both small and large stock, can cheerfully recommend it as a neat, strong, durable and cheap fence. We consider your Cabled Poultry fence the best for the purpose that it has been our pleasure to see and investigate; the cables being horizontal with the fence and the heavy stay pickets but six inches apart, keep the fence in good position without either top or bottom rail and with posts twenty feet apart. As it requires no rail, poultry do not seem to judge the height, hence we find the 50-inch fence ample high. Considering durability, we find your fencing more economical than wood fencing and it certainly adds much more to the beautifying of the grounds. We take pleasure in recommending your superior fencing to those in need of such goods, as we have found their quality to be as stated in your catalogue, and your prices very reasonable.

Respectfully yours,
W. S. COX, Bus. M'g'r,
Southern Female College.

IT WILL PAY YOU

To place an advertisement in any issue of the *Southern Fancier*, published at Atlanta, Ga.

The February number of this journal had a sworn circulation of 10,000 copies.

The *Southern Fancier* is an old, established and influential journal, and hundreds of advertisers patronize it liberally. It pays them and will pay you.

The season is propitious and the opportunity a grand one. Do not miss it. Send at once for advertising rates and full particulars to the *Southern Fancier*, Atlanta, Ga.

THERMOMETERS FOR INCUBATION.

The matter of heat regulation in artificial incubation is of such vital importance that every operator will surely be interested in accurate information as to one of the principal reasons why all thermometers do not give accurate readings. The most essential feature in the making of thermometers for incubator purposes that should be permanently accurate is the seasoning of the tube. This should be done for at least a year before the test points are taken to determine its scale. The change that will occur in unseasoned tubes, while a varing one, frequently amounts to as much as two per cent. in a year. Realizing the great importance of this feature, Taylor Bros. Company of Rochester, N. Y., have for some fifteen years carried a stock of many thousand tubes and never make a thermometer for this purpose with any but a seasoned tube; so that their guaranty of permanent accuracy has a firm backing. Not only in the tube but in all the details of manufacture, every care and precaution is taken which an experience of fifty years in thermometer making has taught them and any thermometer bearing their name and trade mark can be absolutely relied on.

THOSE BUFFS.

The success of August D. Arnold at the late Boston Show was something above the ordinary. He "didn't do a thing" to Boston with his Buff Leghorns this time. He won the following: 1st, 2d and 3d on cocks, 3d and 4th on hens, 1st, 2d, 3d and 5th on cockerels, 1st and 5th on pullets, besides winning seventeen out of nineteen specials, including the $25.00 silver cup offered for largest and best collection. He also won the special offered by Messrs. Marshall & McGrew for best colored bird in the Buff Leghorn exhibit. This is only what Mr. Arnold won at Boston, while at New York and Washington his winnings were equally as great. He breeds only Buffs and spares nothing to keep them in the lead. He has been president of the American Buff Leghorn Club for a number of years and was re-elected at the late meeting of the club at Boston. He does not sell eggs at any price, but if you want good, pure Buff Leghorns you ought to write him and we believe he will give you just what you want.

THEIR LATEST.

At the recent Rochester Show Brace & Walling, Victor, N. Y., won 1st and 3d on cocks, 1st, 2d, 3d, 4th and 5th on cockerels, 1st, 2d, 3d, 4th and 5th on hens, 2d, 3d, 4th and 5th on pullets, 1st, 2d, 3d, 4th and 5th on pens, gold medal for best exhibit, Sweepstake for best male and 1st on collection.

HIGH SCORES.

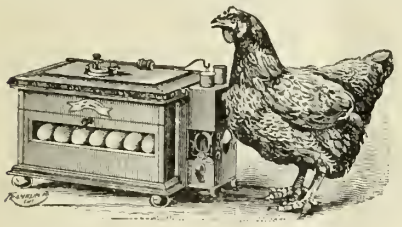
Mr. D. C. Sheehan, West Lynn, Mass., is a breeder of Single Comb Brown Leg-

PINE HILL POULTRY YARDS, BREEDER OF PRIZE-WINNING
Single Combed White and Brown Leghorns,
Barred Plymouth Rocks and Silver Spangled Hamburgs.
Some birds scoring as high as 97 points.
Eggs for hatching, 2.00 per setting of 15; 3 settings for $5.00. Stock for sale at all times.
D. C. SHEEHAN, 14 B Street, West Lynn, Mass.

horns, Barred Plymouth Rocks and Silver Spangled Hamburgs. Mr. Sheehan has some remarkably good birds, some of which score as high as ninety-seven points. At the late Boston Show he had a wonderfully fine White Leghorn pullet, about as fine in points as could be wished for. She was ideally Leghorn in shape and was very strong in head properties and color. There was nothing about her to indicate the Minorca type, her whole bearing was refined and delicate. She was scored by a judge in the show and given ninety-six points. Mr. Sheehan has stock always for sale from the above varieties and sells eggs for hatching. Notice his ad. in this issue and write him for his prices and details.

"THE WOODEN HEN."

The little illustration shown herewith is small only in size, but really large in magnitude, when we consider that the "Wooden Hen" is no larger than a live hen, yet has double the capacity. It weighs only 15 pounds, has a capacity of 28 eggs, and while not a toy, is just



as amusing, besides being instructive as well.

We doubt if a more acceptable or more valuable present could be made to the farmer's boy or girl, and we suggest that every one of them who read THE FEATHER, write Mr. Geo. H. Stahl, Quincy, Ill., and ask him for a copy of his handsome little booklet describing the "Wooden Hen," also his large catalogue of the Model Excelsior Incubator. Tell him you write at the suggestion of THE FEATHER.

TOO LATE TO CLASSIFY

HOWARD A. PINNEY, Sheffield, Warren Co., Pa., breeder of Single Comb Brown Leghorns exclusively. Have bred this variety for the past eight years. Birds are of good size and station, have farm range and are not inbred. Eggs, $1.00 per sitting. Adams Express. Mention The Feather.

COUNTY LINE POULTRY YARDS breed the choicest strains of Light Brahmas, Barred and White Plymouth Rocks, S. C. Brown Leghorns, Mammoth Bronze Turkeys, Toulouse Geese and Rouen Ducks. Stock for sale. Eggs in season. Send for price list, with prizes won. A. G. BARLOW, Milliers, New York.

ENGLISH LOP-EARED RABBITS, choice youngsters also breeding stock for sale. Prices low. Write for wants. Stamp for reply. RICHARD VIDLER, 116 De Witt Street, Syracuse, N. Y.

James M. Davis, Ligonier, Pa.

Eggs from famous strains at moderate prices.

LIGHT BRAHMAS Rollins Bros., **S. C. W. BUFF and BROWN LEGHORNS** Knapp, Wyckoff and Arnold. **BARRED P. ROCKS, BLACK MINORCAS and PEKIN DUCKS all equally good strains. Eggs, $1.00 for 13; $2.00 for 30.**

COCKERELS—Some fine ones still on hand.

o o S. C. White Leghorns

Eggs, 50 cents per sitting. Questions promptly answered.

A. W. GLUESENKAMP & SON, Batesville, Ind.

WORTH $10 IN GOLD.



Our Poultry Annual and Book of Valuable Receipts for '97, finely printed in colors, giving cuts, descriptions and prices of 45 of the leading varieties of Fancy Fowls, with important hints on the care of poultry, and hundreds of recipes of great value. Over a 1000 premiums won at the leading shows. *Prices Reduced One-fourth.* The finest book out. Price only 10c. Will return money if not satisfactory. Address,

C. N. BOWERS, box 63 Dakota, Ill., U. S. A.

1897 **Shaw's Light Brahmas** 1897

WON ALL THE

Silver Cups and Twenty-two Regular and Special Prizes at Madison Square Garden, New York, and Mechanics' Hall, Boston, the two greatest shows in the world, including Diana Cup for best two cockerels and two pullets; "The Gov. Greenhalge Breeders' Cup," for best display; the Club Cup, for best cock, cockerel, two hens, and two pullets, and the Nettleton Cup for most first, second, and third prizes. Also, 1st and 2d on 4ths on cocks; 4th on hen; 1st, 2d, and 5th on cockerels; 1st, two 2ds, and 3d on pullets, and special for best cockerel and four best pullets. A grand total of 192 prizes since 1890, with only thirteen exhibits, in the strongest competition, a record unequaled by any Light Brahma breeder in the world.

Eggs -- From Three Yards of Prize-Winners -- Eggs

I Shall breed only three yards of my prize-winning females, headed by:
1st Prize Cockerel, at New York, 1897.
1st Prize Cock, at Boston, 1897.
1st Prize Cockerel, at Boston, 1897.
Eggs from the Above Yards, $4 Per Sitting; 2 Sittings, $7; 3 Sittings, $10.

J. W. SHAW, Brockton, Mass.



Ridgely's Barred Rocks..

HAVE WON 1896 AND 1897:

At Mt. Gretna, Pa.—1st, 2d and 4th on pullets.
Baltimore County Fair—1st and 2d pair fowls, 1st and 2d pair chicks, 1st pen fowls.
York, Pa.—1st pair fowls, 1st pair chicks and 1st pen chicks.
Reading, Pa.—1st cock, 1st hen, 4th cockerel, 4th and 5th pullets, 4th pen.
Washington, D. C.—2d cock, 3d and 4th hens, 3d cockerel, 1st pullet and 2d pen.

We have two nice light pens mated to produce EXHIBITION pullets, also two dark pens mated to produce EXHIBITION cockerels.

Eggs, $3 per 13. Address,

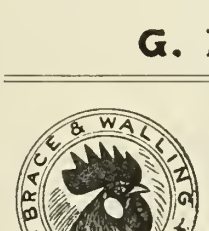
Jos. Phipps, Mgr., Towson, Md.

FORTUNE KNOCKS ONCE AT EVERY MAN'S GATE.

EGGS BARRED PLYMOUTH ROCKS, Ringlet Strain....
INDIAN GAMES, Babcock's Strain.

Illustrated circular free.

G. M. BASTABLE, CALVERTON, VA.



S. C. Brown and Buff Leghorns

EGGS $2.00 per 13. $5.00 per 40. **NONE BETTER**

BRACE & WALLING, Victor, N. Y., U. S. A.

Gibson's Liquid Louse Killer will kill all lice and mites on your fowls by simply painting it on the roosts. No greasing, no dusting or handling your fowls; perfectly safe to use. It cures scaly legs and prevents cholera and other diseases. Over 1,000 testimonials from the best breeders of America. Agents wanted in each county. Good profit and easy to sell. Write for terms. Send stamp for book on "Mating Standard Fowls," worth 25 cents.

LICE

Retail Prices:
Qt. cans - - 25c.
½ gal cans - - 50c.
1 gal. cans - 75c.
5 gal. cans - - $3.00.

Manufactured only by

F. A. Gibson, "the Plymouth Rock Man,"
West Alexander, Pa.

CLASSIFIED ADVERTISEMENTS

Fully prepaid advertisements of six lines or less inserted under this heading at the following rates:

One time	$ .50
Three times	1.00
Six times	2.00
One year	4.00

PLYMOUTH ROCKS

PLYMOUTH ROCKS—Barred and White. Hundreds of fine breeding and exhibition birds for sale; bred in line for years from high scoring stock. Also Buff Cochin Bantams. Write for prices on what you want and mention THE FEATHER. F. J. MARSHALL, Sunny Side, Ga.

WILSON'S FIRST PRIZE WINNING BUFF PLYMOUTH ROCKS. Wo d's Fair, '93; Troy, N. Y., '94; New York, '95. At the recent New York Show won 1st, 2d and 4th cock; 1st, 3d and 4th hen; 1st and 3d cockerel, and 3d and 5th pullet. Eggs, $5.00 per 13; discount on two or more sittings. J. D. WILSON, Box 127 C, Worcester, N. Y.

BUFF PLYMOUTH ROCKS EXCLUSIVELY Clean sweep at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

THREE FINE BARRED PLYMOUTH ROCK YEARLING COCKS for sale cheap; also, cockerels for sale. Thompson and Bradley Bros.' strains. Barred Plymouth Rock and Buff Cochin eggs for sale in season. J. C. ADAMS & BRO., 66 Cabell St., Lynchburg, Va.

PROOFS OF BREEDING furnished when desired, showing there are no finer Blue Barred Plymouth Rocks in America than ours; noted for health and vigor gained by range on 1,000-acre farm until matured. Other valuable information sent. BLENHEIM POULTRY YARDS, Richmond, Va.

WHITE PLYMOUTH ROCKS, Partridge Cochins. Winners at 4 Indiana fairs, including Indiana State Fair. Grand exhibition and breeding cockerels and pullets for sale. State your wants and write for prices. Eggs, $2.00 per 13. Satisfaction guaranteed. ALBERT M. BLACK, Greencastle, Ind.

BARRED PLYMOUTH ROCKS—Yards headed by prize winners. Also, Single Comb Brown Leghorns and White Wyandots. Best strains. Eggs, $1.50 per 13. Orders booked now. J. H. SHERWOOD, Glenville, Conn.

FREDERICK E. COLEMAN, breeder and shipper of Barred Plymouth Rocks exclusively. Eggs, $1.25 per 13; $2.00 per 26. Box 22 A, Manchester Green, Hartford Co., Conn. Mention The Feather.

HAWKINS' Pure Strain of B. P. Rocks and Silver and White Wyandots. Some high-scoring cockerels yet for sale. Eggs from these three varieties, $1.50 per 13; Black Minorcas, $1 per 13. R. L. MAGNESS, Wheel P. O., Harford Co., Md.

EGGS AND STOCK from Barred, White, and Buff P. Rocks, Indian Games, and Buff Leghorns—buff to the skin. All yards headed with winners at Mt. Gretna, West Chester, Reading, Pa., Hagertown, Md., and Washington, D. C., in 1896 and 1897. Eggs, $2 per 15. GEO. SCHRADE, Sykesville, Md.

MANOR GLEN POULTRY YARDS—Barred P. Rocks exclusively. Eggs from very fancy barred-to-the-skin matings, $2.00 per 13. Can spare a few choice breeding cockerels from $2.00 to $5.00 each. J. W. McABEE, Taylor, Md

I HAVE FOR SALE BUFF PLYMOUTH ROCK pullets and cockerels from my prize-winning strain, winners at the Great Rochester Show, 1st on pullet, 2d on cockerel, 2d on cock. Eggs for sale, $3.00 a sitting. W. C. DENNY, 324 South Avenue, Rochester, N. Y.

MRS. ESTELLE CRAWFORD, Dansville, N. Y., breeder of choice White Plymouth Rocks and Black Minorcas, winners at Hamburg, Binghamton and two Rochester Shows. On six entries at Binghamton won three 1sts and two 2ds; At Rochester, on five entries won 1st, 2d and 4th. Stock for sale scoring 96, 94 to 92. Eggs for sale, $2.00 a sitting.

JAS. S. WARNE, Washington, N. J.—My Buff P. Rocks are finer this season than ever, scoring from 89½ to 93½, fine surface color, grand under-color, low combs, large size, Rock shape; headed with 92½ and 93 point cockerels. Breeding cockerels for sale.

BARRED AND BUFF P. ROCK, Light and Dark Brahma and Black Minorca eggs, $1,00 per sitting. Eggs from crosses, 50c per sitting. Trio of Dark Brahmas, $5.00. Cash with order. M. E. COOKE, Sandwich, Mass.

J. T. McNEALLEY, Lovettsville, Va., has fine Barred P. Rocks, Montauk and Champion strains; also, White and Black Wyandots. At Hagerstown, Md., '96. I had three entries of Blacks; won 1st, 2d and 3d. Eggs, $2.00 per 15. Write for wants.

BARRED PLYMOUTH ROCKS exclusively, 40 choice cockerels for sale. Best strains at $2 to $3 each. Guaranteed as represented. Eggs. $1.50 per 15; $5 per 100. Correspondence promptly answered. WM. R. PAGE, Avon, N. Y.

LEGHORNS

S. C. B. LEGHORNS—Winners at Rochester, Hamburg and Binghamton. Rich color, pure white lobes and true Leghorn shape. A fine lot of youngsters ready for the early shows. Mention The Feather. W. B. GERMAN, Specialist, Dansville, N. Y.

FOR SALE AT A BARGAIN—Eight Brown Leghorn pullets and one cockerel; $5.00 will buy them. Two pullets and one cockerel, Golden Wyandots, at $1.00 each. A few Partridge Cochin cockerels and a few S. Bantams cheap. One St. Bernard puppy, $25.00, or will exchange for chickens. HENRY BUSSA & SON, Creston, Ill.

WAYNE POULTRY YARDS, Coatesville, Chester Co., Pa., J. H. Scherer, Prop.—S. C. B. Leghorns exclusively. Prize winners wherever shown. Stock and eggs for sale at all times. Write for prices. Mention The Feather when writing. Also Gordon's Poultry Food for sale.

LEGHORNS A SPECIALTY—White, Brown, Black, Dominique and Silver Duckwings. Winners at the leading shows. At the recent Wilkes-Barre Show I had 16 entries, won 16 prizes; 12 1sts, 2 2ds and 2 3ds. Some fine stock for sale. Eggs in season. Write for prices. GOOD WILL POULTRY YARDS, 413 North 10th St., Allentown, Pa. Wm. H. Heimbach & Co.

W. A. PIERCE, West Chester, Pa.—Rose Comb Brown Leghorns exclusively. Breeding and exhibition birds for sale; also, eggs in season. 1st pen, West Chester, Pa.; 2d on cockerel and 3d on pullet, Pottstown, Pa. Write for prices. Mention The Feather.

REMINGTON HILL, SENECA FALLS, N. Y. S. C. Brown Leghorns only. Winners at Rochester, Binghamton, Troy, Northampton, Canastota, and Meridian, scoring 92 to 95 points. A few cockerels for sale. Eggs from 4 grand yards, $1.50 per 13 straight.

OUR SPECIALTY, White and Buff Leghorns; also Buff and W. P. Rocks, Lt. Brahmas, Blue Andalusians, G. P. Hamburgs, Red Caps. Eggs, $1.50 per 13. B. Leghorns, Black Minorcas, S. S. Hamburgs, White and Silver Wyandots, $1 per 13. Many of them winners in good company. HAMME BROS., Smith's Station, York Co., Pa.

S. C. BROWN LEGHORNS and White P. Rocks. Leghorns of rich color, pure white lobes, fine combs and good Leghorn shape. If you want eggs from prize winners of high scores order from us. Eggs, $2.00 per 15; $3.50 per 30. SAM & GEO. McCRARY, Maryland Avenue, Bristol, Tennessee.

FINE BREEDING COCKERELS from $1.50 to $2.00 each; Wh. Wyandots, Black Langshans, Barred and White Plymouth Rocks, Light Brahmas, Red Caps, S. C. Brown and White Leghorns. BRIGHT'S STRAIN, also a few nice pullets at $1.25 to $2.00 each. This stock has won over 50 First, Second, Third, and also special prizes at Malden this year. Eggs for hatching from the above strains at reasonable prices. Either single sittings or by the 100 lots. Send for price list. MAPLEWOOD POULTRY YARDS, Malden, Mass.

EGGS FOR HATCHING from high grade R. C. White, R. C. Brown, S. C. Brown, Buff Leghorns, Black Minorcas, and B. P. Rocks. 13 Eggs, $1.25; 26 Eggs, $2. Send for circular free. OTTAQUECHEE POULTRY YARDS, North Hartland, Vermont.

BUFF LEGHORNS, Black Minorcas, Silver and White Wyandots. Prize winners at Hagerstown, Carlisle, and Washington. A few very good birds for sale. Eggs, $2 per sitting. CHAS. FELDMAN, Hagerstown, Md.

R. C. B. LEGHORNS, "Shoemaker's strain from 111.." as fine as anyone can find. Eggs for sale, $1 a sitting; also White Minorcas, Thomas A. Duff's strain, Canada, up to the standard, $2 a sitting. Mention The Feather. Mrs. D. W. WITTER, Newmanstown, Pa.

GEO. E. LEE, Highgate, Ont., Canada, breeder of the grand old "Royal Strain" of C. S. White Leghorns; large size, large, smooth earlobes, red faces, correct comb, absolutely white plumage, fine station. Choice stock for sale. Eggs, $1.50 per 13.

POTOMAC VIEW POULTRY FARM, Potomac View, Va., on the Washington and Arlington R. R., RICHARD C. GRINDER, Proprietor, P. O. address, 1001 First Street, S. E., Washington, D. C.—Breeder of high-class B. P. Rocks, S. C. B. Leghorns, Buff Leghorns. Eggs in season, $1.25 per 15.

BUFF LEGHORNS from the best breeding strain in the land. Prices and birds to suit the times. Eggs, $1.50 per sitting. D. L. PRISCH, Middleport, N. Y.

BUFF LEGHORNS—One of the finest flocks in America. Winners for six years, also Chicago and Detroit, 1897. Send for circular, free, stamp accepted. GEO. S. BARNES, Battle Creek, Mich.

BRAHMAS

LIGHT BRAHMAS. STEPHEN SPENCER, Morris Plains, N. J. Originator and breeder of the famous Duke of Morris Strain of Light Brahmas. Eggs $2.00 and $3.00 per sitting. Buff Pekin Bantam eggs, $3.00 per sitting. Buff Cochin eggs, $4.00 per sitting. Light Brahma cockerels, $2.00 to $5.00. When writing for wants mention The Feather.

L. H. MORSE, Newark, New York, originator and breeder of the famous Imperial strain of Light Brahmas. Immense in size, typical in shape, grand in color, and profuse middle-toe feathering. Exhibition and breeding birds for sale at all times. Eggs, $3.00 per 13. Satisfaction guaranteed or money refunded. Correspondence solicited.

LIGHT AND DARK BRAHMAS. W. Q. Minturn, Warwick, Orange Co., N. Y. At the great Orange County Fair—Pen Light Brahmas, second; pen chicks, first; hen, second; pullet, second; cockerel, second; pen Dark Brahma fowls, first; pen chicks, first; hen, third; in competition with our best breeders.

LIGHT BRAHMAS, White Plymouth Rocks and White Guineas. A choice lot of cockerels for sale, scoring from 90 to 94 points. Prices from $2.00 to $6.00. Duplicate score cards sent on request. MRS. LIDA DAVIDSON, Box 382, Eureka, Woodford Co., Ill.

D. P. SHOVE, Box 666, Fall River, Mass.—Breeder of Light Brahmas, Barred P. Rocks, Buff Wyandots, Houdans, S. C. W. Leghorns, Buff P. Bantams and Pekin Ducks. A few good birds for sale. Eggs, $2.00 for 13 or $5.00 for 39.

I HAVE FOR SALE LIGHT BRAHMA cockerels, hens, pullets, right markings, at reasonable prices. Also, S. C. Brown Leghorns, 1st prize winners at Schoharie and Rochester Fanciers' Club. Show eggs for sale in season, $2.00 per 15. LEONARD SWEET, Amsterdam, N. Y.

MY TWENTY-SEVENTH season breeding Light Brahmas. I breed the "Belmont" strain and no better birds stand on legs than are in my yards. Every bird a close descendant of Boston prize winners. Before ordering eggs send for my circular. JOHN RUMBOLD, Custom House, Baltimore, Md.

PARAGON POULTRY YARDS breed choice Light Brahmas and Buff Cochins from prize winning stock. Eggs for sale in season. Circular free. Mention The Feather. A. J. ZERCHER, Conestoga, Pa.

MAMMOTH LIGHT BRAHMAS, Buff and Partridge Cochins, W. Wyandots, S. S. Hamburgs, C. I. Games (Sharp's strain), B. P. Rocks (Hawkins' and Sid Conger's strains). Quality is everything. Satisfaction guaranteed. Eggs for hatching. Send for circular—it's free. F. L. ACKERMAN, Bridgman, Berrien Co., Mich.

EGGS for sitting booked now from the best strains of Light Brahmas, White Wyandots, and Barred Plymouth Rocks, $2 per 13. Stock for sale. TWIN ASH POULTRY YARDS, Manchester, Conn., BALCH & BROWN, Props.

MY BUFF BRAHMAS have never failed to take first prize wherever exhibited. Buff Leghorns at Bristol, Conn., took 1st Cockerel; 1st and 2d Pullet; also special for best pen. Houdans, first-prize stock. Eggs, best pens, $2. Fertility guaranteed. GEO. W. DAINS, East Litchfield, Conn.

GAMES

SINGLE EXPRESS RATES—Games, Heathwoods, Irish, B. B. Reds, Tornadoes, Irish and Mexican Grays and Cornish Indians. Free illustrated circular. Starvation prices. C. D. SMITH, Fort Plain, N. Y.

CORNISH INDIAN GAMES from River-View Poultry Yards are prize winners. Nothing but the best. Stock and eggs for sale. Also, breed Black Minorcas, Light Brahmas and Barred Plymouth Rocks as good as the best. Write what you want. H. M. CARPENTER, Proprietor, Sing Sing, N. Y.

EGGS from 2 yards of Indian Games, one headed by a 10-pound cock, first at Hagerstown, Md., the other by a cockerel first and special at Reading, Pa., mated to hens and pullets that were winners at Mt. Gretna, West Chester, and Reading, Pa., Hagerstown, Md., and Washington, D. C., in 1896 and 1897. Eggs, $2 per 15. GEO. SCHRADE, Sykesville, Md.

WADE H. D. WARFIELD, Sykesville, Md., breeder of Gold-leaf Strain of Black Breasted Red Games, pre-eminently the handsomest and highest scoring bird bred. With six entries at Washington won 1st and 2d on cockerels, 1st and 2d on hens, 1st and 4th on pullets and three special premiums. Also, Silver Duckwings, Red Pyles and White Euglish Games. Write for wants. Circular free.

EGGS from C. I. Games scoring 91½ to 92½ by J. K. F. Eleven pullets such as these mated with cock "Subert" scored 94 as a cockerel by Russell. $3 per 13, $5 per 26. Yard two, pullets not scored, but mated to cockerels scoring 91½ and 94, $2.50 per 13; $4 per 26. Orders booked now. My birds proper are the James Frayn strain, England. C. A LINES, Charles City, Ia.

WYANDOTS

WHITE WYANDOTS, Golden Wyandots, White Plymouth Rocks, Partridge Cochins, Buff Cochins, Buff Leghorns, S. C. Brown Leghorns, S. C. White Leghorns, R. C. White Leghorns, Pekin Ducks. Stock for sale. Circular free. Show record unsurpassed. Eggs, $1.50 per 13; $8.00 per 100. P. L. DWIGHT, De Ruyter, N. Y.

S. L. WYANDOTTES—Thoroughbreds only. Fine healthy stock, having free range on 100 acres. Cockerels, $1.00, $2.00 and $3.00; pullets, $1.00 and $2.00. Eggs in season, $1.00 to $2.00 per sitting, according to matings. J. M. HAMBLIN, Highlawn Farm, Vienna, Fairfax Co., Va.

WHITE WYANDOTS EXCLUSIVELY—Winners of highest honors at Trenton, etc. Extra fine single, pairs, trios and breeding pens that must go at once. Write for prices to-day. Great bargains. CHAS. NIXON, Box C, Washington, New Jersey.

WHITE WYANDOTS (brown egg strain)—I have for sale some splendid cocks and cockerels at reasonable prices. I guarantee all stock to be as represented and will refund the money and pay express charges one way if you are not satisfied. W. B. EASTMAN, St. Johnsbury, Vt.

$1, $1.50 and $2 each, cockerels, pullets and yearlings, Silver and White Wyandots, Indian Games, Buff Cochins, Buff, Brown and R. C. Leghorns and R. C. Black Minorcas. 15 fine Silver Wyandots from Mattison's eggs. F. H. DAVEY, Minisink, N. Y.

G. E. HALTEMAN, Tiffin, Ohio, offers "eggs" from his prize winners, "Golden Wyandots," grand in color and symmetry; winning 21 prizes at three shows this Winter. Cock, 94; pullets, 94, 93½, 93½, 93, 93, 92½ and 92. Bridge, Bicknell and McClave, judges. Also, Partridge Wyandot eggs. Stock for sale. Circular free.

WHITE AND SILVER WYANDOTS from the best strains in the East, such as Felt's and Mattison's. Eggs, $1.50. Stock in season. Satisfaction guaranteed. R. G. WILLIAMS, Barre, Mass.

WHITE WYANDOT EGGS from pens headed by our prize-winners, $3 per 13, $5 per 26, $10 per 65, $15 per 100. Our strain has won more 1st premiums at leading shows than any in the United States or Canada. JOHN B. FELT, Somerville, Mass.

GOLDEN WYANDOTS that win. At Owensboro, Dec. 29 to Jan. 2, 1st Cock, 91; 1st and 2d Hen, 92—90½; 1st and 2d Pullet, 93¼, 91¾; 1st Breeding pen; special for highest scoring Wyandots. At Louisville, Ky., (State Poultry Show), 2d and 3d Cock, 91, 88; 1st, 2d, 3d Hen, 93½, 93, 90½; 1st, 2d, 3d Pullet, 93½, 93, 92. Also breeder of Black Langshans and B. P. Rocks Eggs, $2.50 per 13; Pen No. 1 B. Langshans and Golden Wyandots, $2.50 per 13. W E. KEMP, New Albany, Ind.

COCHINS

H. A. LOGUE, Hagerstown, Md.—Buff Cochins exclusively. Winners at Mt. Gretna, Pa., Carlisle, Pa., and Hagerstown, Md., 1895 and 1896. At Hagerstown, 1896, with 3 entries, won 1st on pullet, 2d on cock and 2d on pen. Eggs, $2 for 13.

CLOSING OUT SALE—All my Washington, New York and World's Fair prize and breeding Buff and White Cochins, comprising 10 cocks, 75 hens one year old. 4 extra show cocks, price $7.00 to $10.00 each. 200 early hatched chickens, price $2.00 to $5.00 each. R. P. THOMPSON, Patterson, N. Y.

BLUE RIBBON WINNERS at New York, 1st and 4th Cock, 1st and 3d Hen, 1st Pullet, 1st White Pen. 1st Black Pen, and my past record at Washington, New York, and other places on my Black, White and Buff Cochins. Eggs from my prize-winners, $2 per 13. Stock for sale. GEO. E. WRIGHT, Patterson, N. Y.

FRANK E. SILLOWAY, Newburyport, Mass. Breeder of choice Partridge Cochins and Light Brahmas. 50 cockerels for sale from my prize winners at Malden and Amesbury; judges, N. A. Knapp and I. K. Felch.

MINORCAS

EGGS from Washington prize-winning Black Minorcas. Orders are now booked for the Spring egg trade; be sure you are not left. Stock always for sale. Write for prices to P. H. McCORMICK, Bel Air, Harford Co., Md.

WHITE MINORCAS—At Rochester, December, '95, won 1st on pen, 1st on cockerel, 1st and 2d on pullets; at Syracuse, September, '96, won 1st on pen, 1st on cock and hen, 1st on cockerel and pullet. 100 fine chicks for sale. MRS. JAMES OSBORNE, Box O, Fabius, N. Y.

WM. SCHMIDT, breeder of high-scoring Black Minorcas, 200 S. Meridian Street, Indianapolis, Ind. Eggs in season.

IT AIN'T NO LIE—My Black Minorcas and Barred P. Rocks are as fine as you can find in the South. If eggs bought of me don't prove it they don't cost you a cent. H. B. LANSDEN, R. R. and Express Agent, New Market, Ala.

ROSE COMB MINORCAS, Buff Rocks, Buff Wyandots, Rose Comb White Leghorns, finest strains in America; Eggs for hatching lowest price for quality; fertile, and safe arrival guaranteed; fifteen years experience; correspondence invited. Bear in mind, Fancy Stock, but not fancy prices. J. M. MAXWELL, Pattenburg, New Jersey.

BLACK MINORCAS of the Highest Type of excellence. Stock which has won high honors at New York, Binghamton, and at Rochester Jan., 1897. Gold watch special, first on pen, and twelve regular premiums. Eggs, $3, 15; $5. 26. C. J. ANDRUSS, Canandaigua, N. Y.

BLACK MINORCAS—Eggs from fine imported stock, $2.00 per 13. Buff Leghorns, $1.50 per 15; $4.00 per 45. Let me book your orders now and I will agree to satisfy you. I ship nothing but freshly-laid eggs. GEORGE L. ROCKWELL, Ridgefield, Conn.

POLISH

J. W. BRUCKART, Lititz, Pa., White Crested Black, Plain, Golden and Buff Laced Polish. Highest honors at Mt. Gretna, Allentown and Hagerstown this Fall. At Hagerstown I won seven 1sts and three 2ds, on ten entries; also, the Special for best pair of Polish in the Show. Stock for sale. Eggs in season.

POLISH—S. F. Gulliford, Akron, Ohio., "The home of the Polish fowl," White Crested Black, Bearded Golden, Bearded Silver and Bearded Buff Laced Polish. For the last twelve years my Polish have stood without a rival at our greatest exhibitions.

LANGSHANS

MRS. J. J. HAYSLIP, Bartlett, Tex., breeder of high-class prize-winning Black Langshans. Eggs in season, $2.00 per 13. Price of fowls, a matter of correspondence. My birds are from the well-known breeders, Wm. M. Hughes, Albert Lemen and Mrs. M. A. Smith, mated for the best results by H. B. Savage.

SILVER HILL POULTRY FARM, MRS. C. M. KELLEY, Newark, N. Y.—Farm-raised Black and White Langshans. Our stock has won this season 23 first prizes out of a possible 24, 17 seconds out of a possible 19. Send for circular.

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THE HOME OF THE HAMBURGS—JULIUS FRANK, Akron, O.—Silver Spangled, Golden Spangled, Golden Penciled, Silver Penciled, White and Black Hamburgs exclusively. Have won and stood the test at Washington, Pittsburg and Cleveland, 1895 and 1896, and again at the last Cleveland Show, 1896.

SILVER SPANGLED HAMBURGS EXCLUSIVELY—Winners of 7 regular and 2 special prizes at Erie, Pa. Cockerels for sale, including several prize winners; also, 20 pullets. Eggs, $2.00 per sitting. Mention The Feather. H. Y. MILLER, Sugar Grove, Pa.



MAYO'S SILVER SPANGLED HAMBURGS. Winners in '96 and '97 at Boston, New York, Washington, Hagerstown, Mt. Gretna, Newburg, Trenton, Scranton and wherever shown. Eggs, $2.00 per 15. Stock for sale at all times. Send stamp for circular to JAMES MAYO, Black Diamond City Poultry Yards, Pittston, Pa.

SPANISH

SPANISH—White Faced Black Spanish a specialty 33 years. One kind only, at full range; hence they are bright and eggs will hatch. Fowls, $2.00 to $5.00 each. Eggs, $1.75 per 12; $3.00 per 24. Circular free. Mention The Feather. JOHN BENNETT, Box 119, Sunman, Ind.

H. T. HERMAN, Carlisle, Pa.—White Faced Black Spanish, Black Breasted Red Game, Black Minorca, Black Breasted Red Game Bantams, S. C. Brown Leghorn eggs, $1.50 for 13. Catalogue free.

ANCONAS

H. J. BRANTHOOVER, importer and breeder of ANCONAS, the greatest egg producer ever imported. My birds have won prizes wherever shown. Send at once for 1897 catalogue. No. 6101 Station St., E. E. Pittsburg, Pa.

BANTAMS

SILVER SEBRIGHT BANTAMS—For sale, exhibition birds and breeders in pairs or single. Finer this year than ever. Bred from winners at World's Fair, New York and other leading shows. Write for prices and say what you want. Mention The Feather. A. C. TREICHLER, M. D., Elizabethtown, Pa.

HENRY R. MINNER, Hereford, Berks Co., Pa., breeds eleven varieties of fowls, five varieties of Bantams. Stock and eggs for sale. New catalogue for 1897 for a stamp. Write and get my prices.

FANCY PIGEONS

BOLINE LOFTS—Theo. Wagner, 324 West Baltimore Street, Baltimore, Md., breeder and importer of Blondinettes and Rosewing Tumblers. About seventy of above varieties for sale, all from imported stock.

HOMERS—Speedy and reliable. Hearty breeders, properly mated for producing record flyers, prompt message carriers or profitable squab breeding. $1 and $2 a pair. Book on Breeding and Training Homers, 25 cents. Descriptive Circulars sent without stamp, free to all. F. L. HOOPER, Station D, Baltimore, Md.

HOMERS—Anyone wishing speedy and reliable racing birds will do well to try my stock. Properly handled they will prove all claimed for them. Will sell 7 banded birds for $1.00 per pair. Send stamp for reply. THE SOUTHERN LOFTS, 716 21st Street, N. W., Washington, D. C.

TIPPLERS, Tumblers, Homers, from $1.00 to $5.00 each, according to quality. Show birds for sale that can win in any competition, at reasonable prices, in Bays, Saddles, Solid and Rosewing. Runts, $10.00 per pair. Must be sold, as my time is taken up making bands. THOS. WILLETTS, 180 Lawrence St., Lowell, Mass.

JACOBINS in Whites and Yellows. My birds are close in feather, elegant in color, and with magnificent feathering. I guarantee the fullest satisfaction to all. In writing describe your wants. A. H. HARRIMAN, Laconia, N. H.

HOMERS—Youngsters for sale. Fine breeders with records from 100 to 535 miles. Youngsters from these breeders made for me 137.03 miles in 132 minutes. Imported and Taylor stock. Prices right. S. A. HOWLAND, Granville, N. Y.

JOHN LOEFFLER, breeder and fancier of fine Satinettes, Bluettes, Black Wing Turbits and Oriental Turbits, has for sale a very fine lot of the above stock. They are bred direct from imported and prize-winning birds. These birds must be sold at once for want of room. I will sell very cheap in pairs, single birds or the entire lot. Write for wants. 1504 Harford Avenue, Baltimore, Md.

ARCHANGELS—I breed prize-winning Archangels exclusively. Winners at nearly all the leading shows in 1895 and 1896. Two 3ds at Boston Exclusive, 24 birds competing; 1st and 3d at Louisville (Ky.) Exclusive, in the young bird class. Birds for sale at $2.50 to $25.00 each. J. H BURLEY, Shillington, Pa., Secretary of the American Archangel Club.

MAGPIES—LOUIS G. MULLER, 335 S. Woodyear St., Baltimore, Md., breeder of first-class Magpies in all colors, Black, Red, Yellow. A few choice birds for sale at reasonable prices. No postal cards. Inclose stamp for reply.

GEORGE FEATHER, breeder of high-class English Owls and Turbits, Ballou Ave., Station O, Dorchester, Mass., has for sale a grand lot of 1896 younggers; also, a few old breeders, both stock and exhibition birds. This strain of Owls has been to the front at all the most important shows for the last eight years. Prices very reasonable for quality of stock; state wants; satisfaction guaranteed; no postals.

ENGLISH CARRIERS—One pair of Blues, cock very typical, 2 years old; hen, 1896 hatch, a promising bird; price $12.00. Also, one pair Black Jacobins, heavily feathered, very good in hood, mane and chain; price $7.00. Write. J. H. BAULCH, Port Hope, Canada.

PURE RUSSIAN TRUMPETERS—About ten pairs of high-class birds for sale; color, Whites, Blacks, Mottles. For past seven years have taken all leading prizes in Canada. For particulars write J. H. BAULCH, Port Hope, Canada.

FANTAILS AND JACOBINS in White, Black, Red, and Yellow, carefully bred and healthy birds. My entire collection for sale at prices that defy comparison. Anyone wanting some first-class birds should embrace this opportunity. Write for description and price to CHAS. P. ANDERSON, P. O. Box 304, Erie, Pa.

HAVING bred Homing Pigeons for 20 years will sell Racers from the following strains: C. T. F. banded pairs, 20 imported birds, flew Bordeaux, France, 550 miles to Belgium, and 5 birds that flew for me in 1893 from World's Fair, Chicago, Ill., to my old lofts, Baltimore, Md. Pairs from the above strains, $2 up and $3 a pair. Enclose stamp for reply. ORIOLE PIGEON LOFTS, EUGENE STODDARD, 12 Liberty St. Hagerstown, Md.

SWALLOWS, Magpies, Turbits, Owls, Fantails, Pouters, and Homers, in leading colors. My loft is composed of the best of imported and American bred birds, and my show record will attest their quality. Surplus for disposal at lowest prices for quality, and satisfaction guaranteed. O. F. MITTENDORFF, Lincoln, Ill.

DUCKS

FOR SALE—I have for sale 200 Pekin Ducks from first premium stock; Barred Rocks and White Wyandot cockerels from I. K. Felch's yards; 3 Buff Cochin cockerels from Theo. Sternberg's yards. MRS. CHAS. JONES, Pawpaw, Illinois.

JOHN WIEGAND & SON, Frostburg, Md., offer 3 Imperial Pekin drakes at $1.50 each; 5 Buff Leghorn cockerels at $1.25 each; 20 Buff Leghorn pullets at $1.00 each. They guarantee satisfaction and their stock is of the best. Eggs in season.

SEE HERE! If you want to have some of the largest, healthiest, and best laying ducks in the country, try a few sittings of my Rouen Duck eggs, which I have for sale at $1 per 11; $1.75 per 22, and $2.50 per 33. H. S. CHRIST, Pine Grove, Pa.

TURKEYS

GEORGE WOLF, Senoca Falls, N. Y.—Another sweeping victory at the Great Rochester Show on Bronze Turkeys, January 11 to 16, 1897. I exhibited 6 birds, winning 1st and 3d cock, score 98 and 96 points; 1st hen, 97½; 1st cockerel, 98½; 1st and 2d pullets, 98, 98. Butterfield, judge. A grand lot of young birds yet for sale. If you want quality, I can furnish it. Stamp for reply.

MISCELLANEOUS

DR. WILLIAM Y. FOX, Taunton, Mass., has for sale Black and White Cochin Bantams—as good as the best. See their record at Boston and Providence last Winter.

20 PAGE CATALOGUE FREE, or send six cents in stamps this month for the catalogue and Practical Poultry Keeper, 64 pages, cheapest book ever published. Every one interested in poultry should have this book. Oak Park Poultry Yards, Platteville, Wis.

WINNERS of 1896 at New Jersey State Fair, Bethlehem, Mt. Holly, Trenton and Danbury (Conn.). I am not situated so I can keep them and will sell the following at half price: White, Colored and Sandwich Muscovy, White Crested and Aylesbury Ducks, African Geese, White American Dominiques, Black Leghorns, Black Hamburgs, R. C. White Leghorns, Silver Bearded Polish, Leghorn Bantams. All kinds of pet stock and pigeons. PRALL DILTS, Jamesburg, Middlesex Co., N. J.

HOMER CITY POULTRY FARM breeds choice strains of B. Langshans, B. P. Rocks, S. Laced and White Wyandots, S. C. Brown, R. C. Brown, S. C. White and Buff Leghorns, Black and White Minorcas, S. S. Hamburgs and Blue Andalusians. Some choice cocks and cockerels for sale. Eggs for hatching at $1.50 for 15; two or more sittings, $1.00 each. Orders booked now for Spring hatching. C. W. TUCK, Homer City, Pa.

ANTI-FREEZING DRINKING FOUNTAINS. Just out and brand new. Absolutely fireproof. Keep water from freezing, no matter how cold. Lamp has non-explosive burner. All parts of fountain easily cleaned. Send for circular. Mention The Feather. J. T. RHODES, Leechburg, Pa.

JAMES M. SMITH, Box 499, Perkiomenville, Pa.—Breeder of all leading varieties of prize-winning poultry. Stock for sale. Eggs for hatching. Prices to suit the times. Eggs $1.00 per 15. Fine catalogue free.

FOR SALE OR EXCHANGE—Magpies from imported birds—Black, Red, Yellow and Blue, $2.00 per pair; Blue-Beards (high flyers), $1.50 per pair. Satisfaction or money refunded. Or will exchange for Toulouse Geese, Bronze Turkeys, Dark Brahmas, White Rock cockerels. For sale: S. S. Hamburgs, Light Brahmas, White and Barred Rocks, Indian and Pit Games, Buff and Brown Leghorns, Buff Cochins, Black Minorcas. Fine lot Buff Leghorn cockerels. A. C. FULTON, York, Pa.

EGGS, $1.00 per 13; $1.50 per 26. Barred Rocks, Light Brahmas, Buff and White Leghorns. Game Bantams, Pekin Ducks, Homing and Tumbler pigeons. J. H. MILLER, Ligonier, Pa.

BARGAINS—3 trios Barred P. Rocks, $6.50 trio; 1 trio Buff P. Rocks, $6.50; 3 trios S. C. Wyandots, $6.50 trio; 1 pair I. Games, $4.00; 1 cock, 3 hens and 2 pullets, G. Wyandots, for $10.00; 4 B. P. R. cockerels, $2.00 to $3.00. I guarantee all to be first-class birds or no sale. H. H. BARKSDALE & CO., Danville, Va.

ADDRESS J. G. B. ERWIN, Erwin, Gordon Co., Ga., for fowls and eggs of White Wyandots, Cornish Indian Games, White Holland Turkeys; also Berkshire Pigs.

WM. W. BALCH, Deford, Mich., breeds Improved Chester Whites, White and Barred Rocks, Golden and S. Wyandots, S. C. B. Leghorns and Black Minorcas. 40 fine cockerels at $1.00 each. Eggs, 75c per sitting; 3 sittings, $2.00. None better.

MIKADO POULTRY FARM, Charlotte, Mich. Place your orders for eggs now. Of course you know the quality of our stock. We can please you. Buff, Partridge, and Black Cochins, Light and Dark Brahmas, S. C. Leghorns, White Wyandots, S. S. Hamburgs, Imp. Pekin Ducks and Guineas. Eggs, $2.00 per sitting and guaranteed to hatch. Stock for sale at all times. Agents wanted for our Mikado Poultry Food.

HIBBERD'S prize-winning Buff Wyandots, White Cochins, White and Black Minorcas, White and Barred Plymouth Rocks. Eggs, $1.00 per 13. All leading strains. No culls. S. L. HIBBERD, Lima, Delaware Co., Pa.

HOOPER'S LICE FORMULA. Kills insect life with lightning dispatch. Rough on Lice, Mites, Bedbugs, Ants, Roaches, Fleas, etc., are exterminated with magical effect. Cheap, harmless, easily applied. Complete directions sent for 10 cents (stamps). F. L. HOOPER, Station D., Baltimore, Md.

60 EGGS for $3, 15 for $1, and 2 med. nest eggs. Poor hatches dup. at half price. Parts of sittings in each order if desired. Poultry is largely bred on separate farms. Circ. free with list of premiums won. WHITNEY BROS., Triangle, New York.

BLACK WALNUT FARM—B. P. Rocks, S. C. Brown Leghorns, Light Brahmas; vigorous stock, early and prolific layers. Eggs, $1.00 per sitting. Pekin Duck eggs, $1.00 per sitting. Stock and eggs for sale. W. P. COTTON, Manager, Churchland, Va.

PRIZE WINNERS—25 prizes won on my birds at Amesbury, Mass., and Manchester, N. H. Barred P. Rocks scored 93½; Black Langshans, 95; Black Minorcas, 96½. If you expect to be in next season, purchase eggs and stock from me. Fine breeding stock for sale. Eggs, $2.00 per sitting. Stamp for eight-page circular. W. T. GREENE, Hopkinton, N. H.

BRADSON'S HALL POULTRY YARDS—White, Silver and Golden Wyandots, Barred P. Rocks, S. Gray Dorkings and S. C. Brown Leghorns. 1 won premiums at the Frederick Fairs in '95 and '96. Eggs, $2.00 per 13. All orders will receive prompt attention. Mention The Feather. D. A. FIROR, Graceham, Md.

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NEVER PAY $5.00 for a brooder when you can buy a better one for $4.00. The $4.00 prize brooder is the best brooder for the money manufactured. It is a complete brooder-house three feet square. Top heat. Catalogue free. Manufactured by A. S. WHITNEY, Gouverneur, N. Y.

FOR SALE—10 Indian Game cockerels, 10 Buff Leghorn cockerels, 20 Indian Game pullets, 10 Buff Leghorn pullets. All high-grade stock. See premiums at Washington Show 1896 and 1897. Prices low. E. M. MELLOR, Sykesville, Md.

FOR SALE—Barred Plymouth Rocks and White Wyandots; fine stock; score, 90 to 93½. Eggs, $2.00 for 13. C. B. BENNETT, Daisy Poultry Farm, Adrian, Mich.

WANTED

WANTED—To purchase fifty or one hundred pairs of Duchesse or Homer Pigeons for squab raising. Nothing but good breeding stock wanted. F. S. and S. P. BARKER, JR., 105 Broadway, Newport, R. I.

WANTED—Those contemplating the erection of Poultry Plants to correspond with me before making engagement. Twelve years experience in laying out and building plants, handling poultry (for fancy and market purposes), incubators, and brooding systems. Best of references. Address J. D. R., care Feather.

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COLUMBIA INCUBATOR—Why not get the best? Easily managed, self-regulating. Our patented egg tray does away with turning of eggs and the lamp needs filling and trimming once in five days. Now in operation, 508 F Street, N. W., Washington, D. C. State and county rights for sale. Agents wanted. J. T. BUTTS, inventor, manufacturer and proprietor.

OYSTER SHELLS—I am pleased to offer crushed shells now at 55 cents per 100 lbs., F. O. B Baltimore. Special prices given on large quantities. Write for lowest quotations on 500 lbs JACOB S. HANDTE. Calla, Mahoning Co., O.

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THE POULTRY ARCHITECT—This book illustrates 117 designs and plans of poultry-houses, coops, fences, roosts, nest boxes, feed troughs and other necessaries for the poultry yard, with practical information on their construction. Price, 25c. H. A. KUHNS, Box 4000, Atlanta, Ga.

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SEEDS—New crop of garden seeds for Spring 1897; all leading varieties and of recent introduction. Thoroughbred poultry for sale. Send for catalogue. J. M. PHILIPS' SONS, Mercersburg, Pa.

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BUFF COCHINS exclusively for 18 years. Geo. Ball, 24 Milton Ave., Rahway, N.J. Eggs $2 per 13

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To those interested in artificial incubation:

For several long years we have told you what incubator to buy. Some of you have taken our advice and to-day are doing a successful broiler business. Others ignored our advice and to-day are looking for the best incubator. Get our Improved Hammonton, 300-egg size, and our ventilating brooder, 300-chick size; both $30.00. Thousands are in use and those who are using them are saying nothing, but sawing wood. We could tell you this a thousand times over, but it costs us considerable to do so. You should be wise enough now to take our advice. Wonderful work is being done on paper and in the show room with a great many incubators, but bear in mind that the Hammonton has made the best broiler farm record of any hatcher made in the place where broilers are most needed and pay best. There are three or four others that are good ones, but all of them cost you more money than the Hammonton, the only low-priced hatcher used on a large scale. Send to-day stamp for testimonials and catalogue to J. A. Chelton, Fairmount, Maryland.

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For sale quick—Cockerel, 1st at Reading and 2d at West Chester, $10.00; cockerel, 1st at Rockville and Bel Air, 4th at Hagerstown and head of 1st pen at Reading, $8.00; cockerel, head of special premium pen at Bel Air, $5.00; about one dozen other well-marked cockerels, if taken at once, at $2.00 each to make room for breeding pens.

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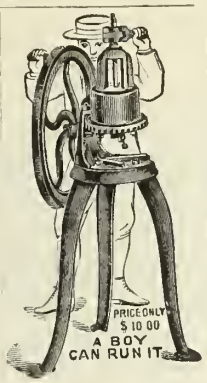


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IF YOU HAVE A DOG, a cat, poultry or pigeons, horses, cattle or other stock, house plants, vegetables or flower garden, orchard or farm, or if you are troubled with vermin in or about the house, you need our book on "Vermin and Vermin Exterminators." It gives the latest and most approved methods of dealing with the above problems; is full of recipes and valuable information. We will send it free to all readers of The Feather who mention that journal and enclose a 2-cent stamp for postage. We will also send free printed matter advertising our specialties, Insecticides and Disinfectants.

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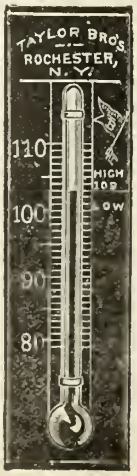
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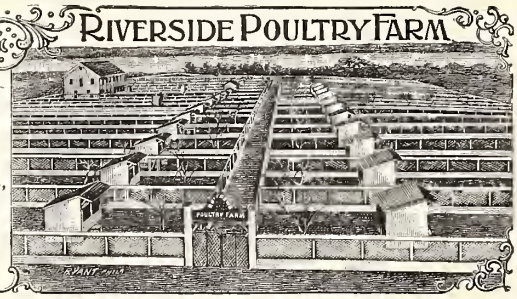
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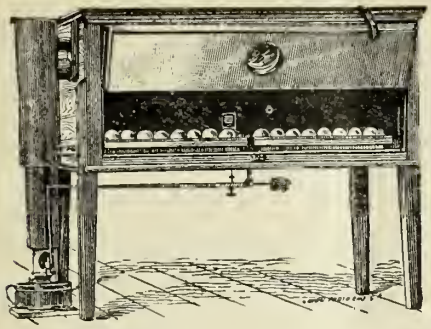


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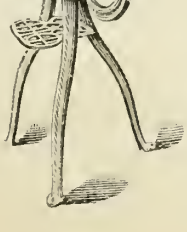
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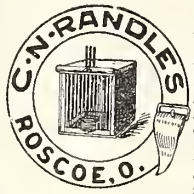
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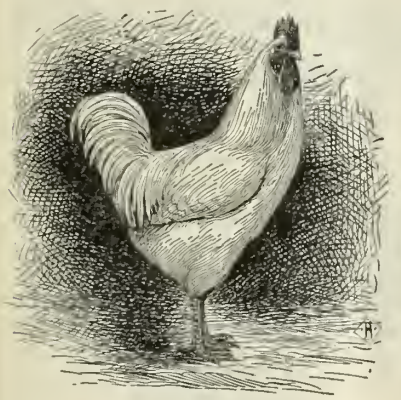
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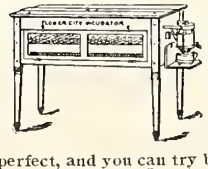
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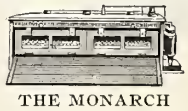
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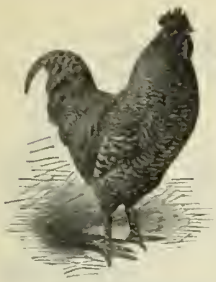
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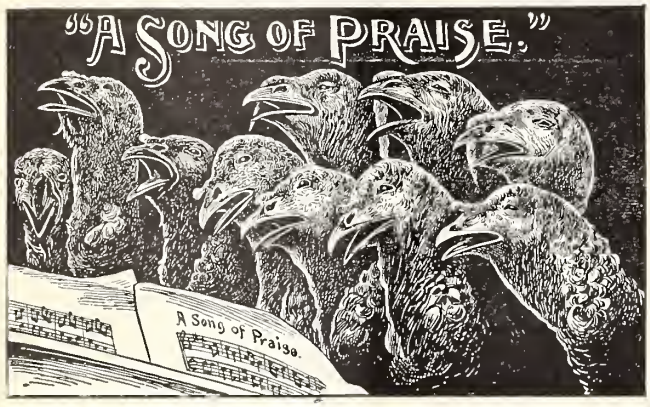
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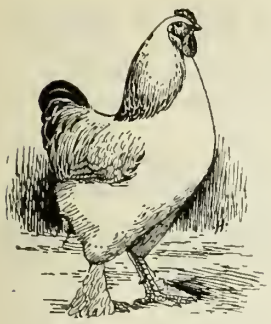
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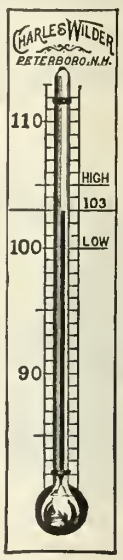
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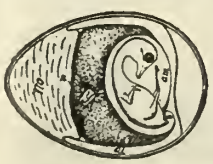


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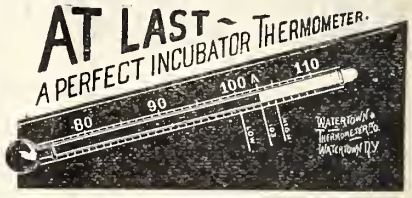
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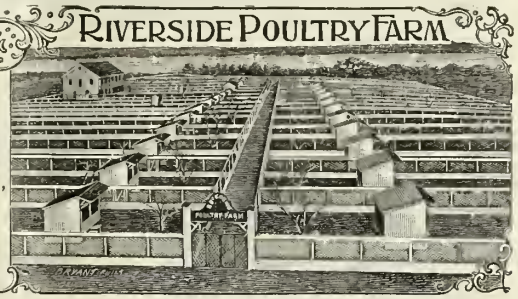
As originated and bred by the undersigned has proven to be invincible in the show-room from Maine to California, and from the British possessions to the Gulf of Mexico, and are winning high honors for my customers at such shows as New York, Washington, Hagerstown, Wilkes Barre, etc , and can do the same for you. Some good breeding cockerels for sale. Those desiring eggs of this strain should place their orders early. Sittings, $2.50; per hundred, $8.00.

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My birds in the hands of my customers have always won in the hottest competition. All eggs $5.00 per 13, $8.00 per 26, $10.00 per 39.

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THE CROWN BONE CUTTER.

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THE BUSINESS HEN

has enough to do to supply the world with eggs, and no time to hatch chicks. That important branch of the poultry industry should be left to the

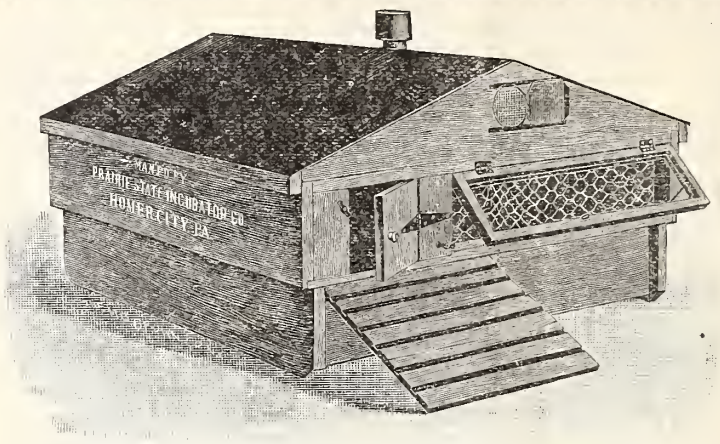
MONITOR INCUBATOR

which has no superior for the purpose it is designed.

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A SINGLE FACT

Is worth a ship-load of argument, and no fact is more substantial to-day THAN THE FACT that the successful men who are hatching thousands of chicks annually invariably use the Prairie State machines.

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is about as near perfect as it can be. The feature of the DOUBLE BAR is this; the egg-tray is midway between the two bars and the MEAN TEMPERATURE of the upper and lower chambers is maintained, thus insuring the only PERFECT and ACCURATE temperature of the eggs. This is a revelation in artificial incubation and brooding.

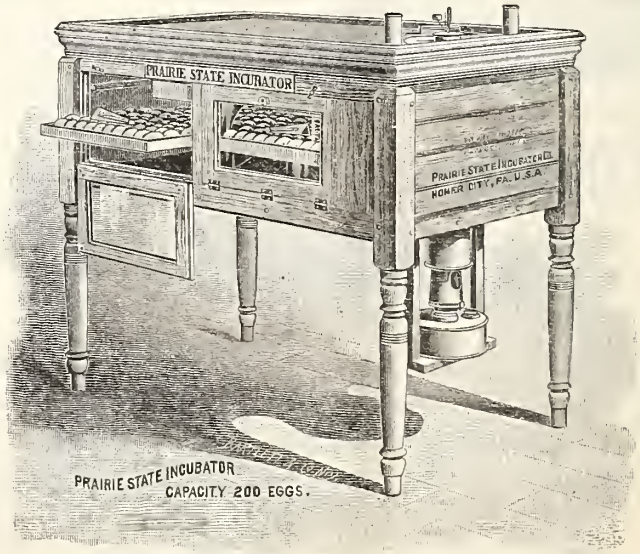
More than 170 First Premiums have been awarded our machines, besides gold and silver medals at New York, Washington, Chicago, St. Louis, Kansas City and one hundred and sixty other shows. At the late Mid-Continental Poultry Show, Kansas City, Mo., the Prairie State took first, second and third on Incubators, and first, second and third on Brooders.

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THE NEW 1897 200-EGG PRAIRIE STATE.

The Feather

A National Journal Devoted to Poultry, Pigeons, Birds, Etc.

VOL. II. NO. 6. WASHINGTON, D. C., MARCH, 1897. FIVE CENTS.

NESTS FOR SITTERS.

Plans and Suggestions for Caring for the Little Hen.

BY ELLSWORTH.

THE pleasures of raising poultry are greatly enhanced by the successes attained; whether it was an easy or difficult task it matters not, so long as we succeed. Yet, there is no reason why our labors should not be lightened and made more agreeable than otherwise. The cares attendant on raising chicks are not trifles, neither are the duties as easy as some would have them. It is a task to raise chickens under any circumstances and the work is not to be underestimated if failures are to be averted. The careful man will do his work with a system and the lazy man will do his as he pleases, without regard for anything save his own selfish, indolent disposition. The latter individual should never attempt raising poultry; the gait is too fast for him and his fingers will be burned before they touch the fire. When Nature is at work nothing can be put off or left undone without severe loss and demoralization of the whole undertaking. Let us suppose, then, that those who are about to begin this season's work are of that class who study each step before it is

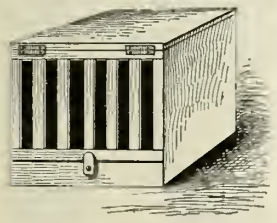


FIG. 1.

taken and who glory in the pleasures of their work. So many fail in various undertakings for the want of enthusiasm.

The pens are all mated for the breeding season and everything is being done to encourage the health and comfort of the breeding stock. The food is varied, and just such food as makes good, strong, fertile eggs; eggs that will develop into strong and healthy chicks. All this has been attended to with a nicety and we find ourselves about to begin hatching. There are two ways to hatch and rear chicks, one the natural and the other the artificial; both are good ways when their methods are known and their problems solved. Remember, it is not such a mystery to hatch and brood by either method so long as the rules are cared for as demanded by circumstances.

The sitting hen is an old institution and is the more generally known way for hatching and rearing chicks. To set a hen, use a large, roomy nest, one that will not crowd the hen on the eggs, causing her to break one or more when she leaves and returns to the nest to feed and drink. A good, simple plan is

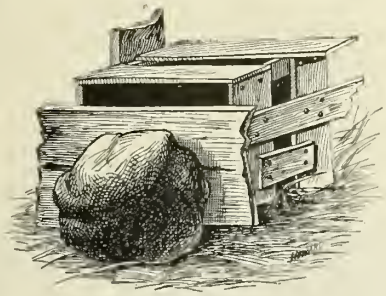


FIG. 2.

to have a box sixteen or eighteen inches square and fully fifteen inches high. There should be attached to the front a lattice blind, which is kept fastened when the hen is on the nest and to keep others from laying in the nest. Such a nest as shown in Fig. 1, is simple and can be made by almost any one in a short time. Fig. 2, shows another style of nest in use by many, but hardly to be recommended; twice the labor is required to make such a nest and to remove the ton of stone each day requires more vital force than a brood of chicks is worth.

When hatching with hens is done on a large scale, a number of nests are needed for the purpose. A good way is to have a hatching house away from the laying hens and use nests in rows. It is not advisable to make nests or other fixtures of the poultry house stationary; they are difficult to clean and vermin will be hard to keep down. Build shelves about one inch wider than the nest-box, and use nests like those shown in Fig. 1, with an inch space between each nest. This arrangement is much more preferable than stationary nests.

See that the nest-box is clean and sweet before the eggs are put in; thoroughly whitewash the box inside and out, and let it dry well, then place in the nesting material and dust with insect powder. Place in the eggs, put the hen on them. See that she is off the

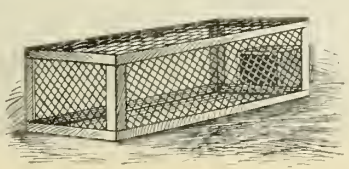


FIG. 3.

eggs once a day to feed and water. When many hens are sitting at one time the daily attention may be considerably lessened by using wire pens in front of nest and keeping food and water in the enclosure. This requires more room than some are disposed to use for the purpose, but its benefits are worth considering. Each nest may be placed on the floor and have its separate run attached, as shown in Fig. 3. The run should be much larger than the nest-box, at least thirty inches high by twenty-four wide, and as long as may conveniently be made. The food and water should be placed in the run in the morning, and the hen may come off the nest when she has a mind to, without interference of other hens. These runs should be made to fold up and be stowed away after the hatching season is over; they will then be ready for use the next season.

Another plan suggested for sitting hens is to build pens like those shown in Fig. 4. These are very handy for managing the sitter, and when each hen is in a compartment to herself there are more chances for good hatches than if she was exposed to excitement and worry during that period. These pens are about four feet square and three feet high in front and three feet six

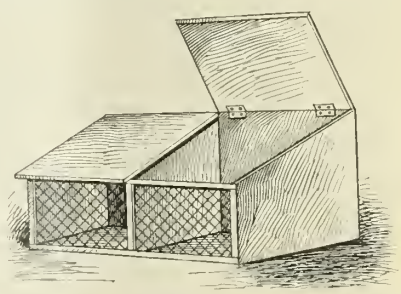


FIG. 4.

inches high in rear, with wire front and board partition between each pen. The nest-box is arranged in one corner of each pen, and food and water are placed in the pen each morning, the same as given for Fig. 3.

Ware Poultry Show.

The first annual exhibition of the Ware Poultry and Pet Stock Association was held at the town hall, Ware, Mass., February 25-26, and was a crowing success. The entries were so large that the capacity of the hall was fully tested. There was a large attendance and everything passed off to the great satisfaction of exhibitors and the association, and what was hardly expected the show more than paid its way. W. B. Atherton was judge and every exhibit was carefully scored.

A MODEL PLANT.

Carefully and Well-Built Home of Prize-Winning Poultry.

THE poultry plant of Mr. E. P. Shepherd, of Croton Falls, N. Y., is one of the most complete as well as elaborately-arranged plants in the country. Everything is to a nicety and nothing is done but what a reason is had for the doing; the detailed arrangement is superb and everything is done with system. Mr. Shepherd is well and favorably known as a breeder of Buff Leghorns, and also as secretary and treasurer of the American Buff Leghorn Club. He also breeds Buff Plymouth Rocks, Black Minorcas and Black Langshans. As a breeder he has done much to perfect the Buff Leghorn, and his productions in the show room have always been with the leaders.

From the description of Mr. Shepherd's plant, as published in the *Reliable Poultry Journal*, we quote the following:

That Mr. Shepherd is "a man of ideas" is demonstrated by the arrangements of his poultry plant and construction of the houses, illustrations of which are shown herewith. At the time of our visit he had at his disposal only two and one-half acres of ground, but this ground is well adapted to the purpose. It lies at the foot of the southern slope of a high hill, where it is warmed by the low-swinging Winter sun and protected by the hill from the north and northwest winds. This hill is higher and much steeper than it appears to be, as seen in the illustration. A better site, of its size, for a poultry plant could hardly be made to order.

This plant is a new one. The three buildings shown in the general view were completed last Summer. Since then



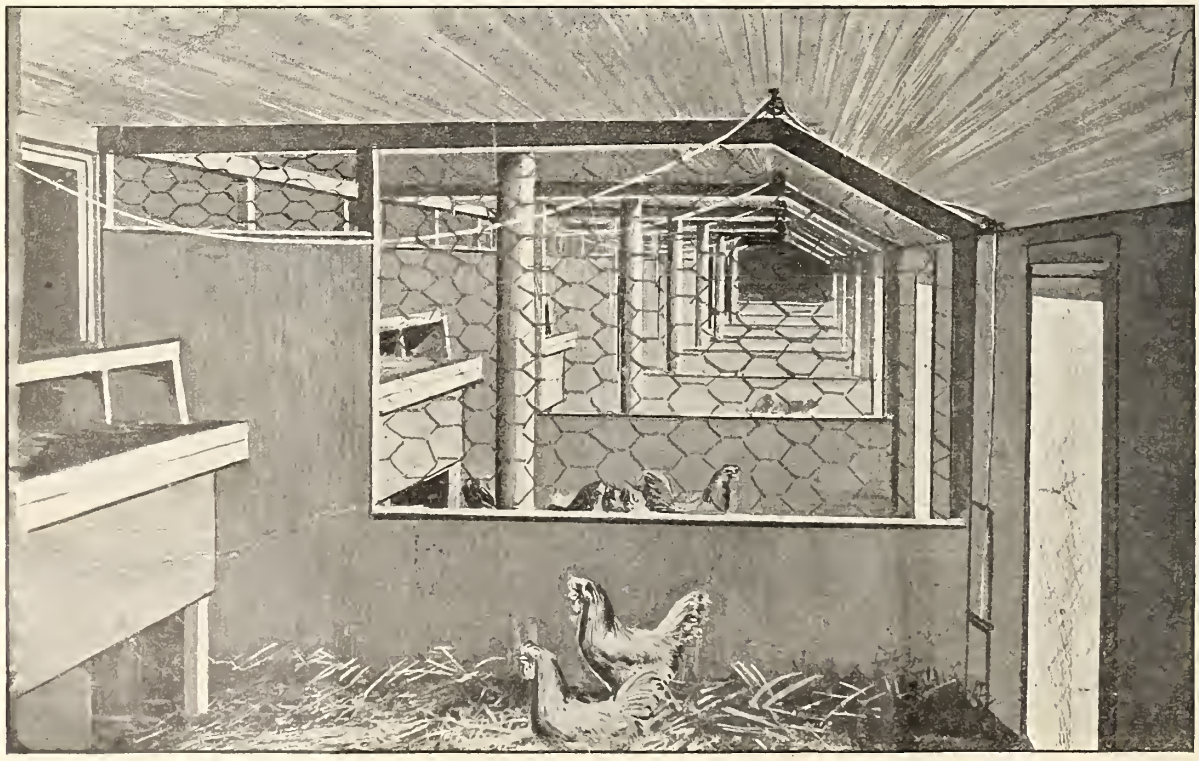
E. P. SHEPHERD.

he has put up a laying house for a big flock of Buff Leghorns and a brooding house for raising chicks. The two smaller houses, shown to the left in the picture, are fourteen by thirty-six feet in size, and contain Black Minorcas and Black Langshans. The main house (to the right) is fourteen by one hundred feet, with a feed and storage room (twelve by thirty-six feet) in the rear at the end next to the driveway which passes between the yards and houses. In this main house dwell Mr. Shepherd's specialty, the Buff Leghorns.

This house cost by contract an even $1,000, and it is in this house that the owner's ideas were worked out to his satisfaction. An interior view of the house is shown. There is a three-foot hallway extending along the rear wall the entire length of the building and eight pens eleven by twelve and one-half feet in size. Let us proceed to enumerate the good points about this house and the yards attached to it, numbering them so that our readers will get the full benefit.

1. In the first place Mr. Shepherd took advantage of the slope of the ground on which this main house stands to provide a snug scratching and dusting place underneath the floor. He did this by having the upper or north sill rest on the ground or a few inches above it; then by leveling the floor frame he found the south sill to be two feet and one-half to three feet above the surface of the ground. (See illustration.) We regard this as a splendid idea. This plan gives him just such a place as his fowls need and will much enjoy during cold Winter days and stormy weather. In the Winter on sunshiny days we doubt not the fowls will be snug and comfortable under this house. If desired, wire netting can be put up along the front of these openings to confine the fowls, not allowing them the freedom of the yards, where it will be much colder. Trap doors can be cut through the floors. Brace & Walling, at Victor, N. Y., have the same plan and use trap doors.

2. With the idea of euchreing rats and checkmating Jack Frost, Mr. Shepherd has packed the space between the double walls of this house with mineral wool, costing $25.00 per ton. He states that rats positively will not work in mineral wool, and that by its use he is free from damp houses in Winter time, caused by the frost. This house was completed last December (1896) and used through the Winter (a very cold Winter, too,) without frost settling on the inner walls. This matter of frost and dampness is a vital one, as it is productive of roup. As a general rule, all poultry houses should be thoroughly aired on bright or warm days during Winter



INTERIOR VIEW "MAIN HOUSE" SHEPHERD'S POULTRY PLANT, CROTON FALLS, N. Y.

weather. This airing out has the effect of drying out the house and will go a long way toward avoiding the roupy condition. This point is well worth remembering and practicing.

3. The windows of this house consist of double sash about two and one-half by three feet in size, and each pair of sash is hinged together and to the casing in such a way that when they are pushed outward (to open the window and air the house) they form an awning which keeps out the rain. Single sash hinged at the top can be used likewise. Frames covered with wire netting are also hinged to each window casing, opening inward, for use in confining the birds, if desired, when the windows are open.

4. Mr. Shepherd believes in labor-saving devices. He not only has a cord extending into the hallway by which he opens and closes a drop door to each exit in this house, but these cords are attached to a stout wire that extends along the rear wall of the house, and at the entrance of the house (at the west end) is a strong lever which closes or opens all of the exit doors by one movement of the arm. At night all the doors are closed in this simple manner; in the morning the same minimum amount of time and labor opens them. Any single pen, or two or more, can be disconnected if desired. It is a fine scheme and works perfectly.

5. The yard fences are eight feet high, two feet of boards at the bottom and six-foot wire netting above this, with wires strung along the top. Another labor-saving arrangement consists of a row of large gates in these yard fences, up next to the house. These gates can be opened for a team to drive through whenever it is desired, thus facilitating "house cleaning" and enabling the attendants to put sand, straw or litter of any kind into the house, pen by pen, directly from a wagon. Fruit trees have been set out in these yards.

6. The ventilators in this house consist of galvanized iron pipes eight inches in diameter that come down in the center of the house (measured from front to back), one to every second partition, and extend downward to within six inches of the floor. Upward they extend through the roof and are covered with a cap made of the same material to keep out the rain and snow. Mr. Shepherd reports that there is no draft through the house resulting from a use of this style of ventilators.

7. The droppings boards are cleaned and the eggs are gathered from the hallway. The nest-boxes are enclosed along the front or pen side, to darken them, the hens being required to enter a closed walk and pass along to the nests. These darkened nests are valuable in preventing the habit of egg-eating.

8. The grit and shell-boxes are nailed securely to the wall of each pen, fully twelve inches above the floor, to prevent waste by the fowls scratching them full of straw, and these boxes are made of a long, narrow shape, so narrow that the fowls cannot fly up on the edge or into them to scratch out, and in this manner waste the contents.

9. All the doors leading from the hallway into the pens are swung on spring hinges, which allow the doors to open either way, backward or forward, closing of their own accord by virtue of a strong spring. This is found to be convenient when a person has both hands full.

10. All feeding and watering is done from the hallway. The protected space under the droppings boards and nests (the nests being located immediately under the roost platforms, see interior view) is utilized for this purpose, slats two inches apart and nailed upright serving to confine the birds, but allowing them to reach the feed troughs and water dishes—both of which are cleaned daily. Water faucets are located in the hallway, making it convenient to supply the dishes.

Mr. Shepherd has won many premiums in the last four years, and in the last two has defeated all other competitors. His birds have won at the Crystal Palace Show, London, England. He has also shipped birds to the originator of the breed, Mr. J. Peters, Copenhagen, Denmark. During the time he has been exhibiting he has won more than a hundred regular and special prizes at New York, Washington, D. C., Troy, N. Y., Newburgh, N. Y., Danbury, Conn., and White Plains, N. Y.

At the late New York Show he was awarded 1st on hen and 1st on cockerel and the color prize. His 1st, 2d and 3d hens were pronounced the best Buff Leghorn hens ever seen. His cockerel won in a class of twenty-three birds.



GENERAL VIEW OF POULTRY PLANT OF MR. E. P. SHEPHERD, CROTON FALLS, N. Y.

A Broiler.

A well-raised broiler is something to be appreciated, being vastly different in flesh from the average farm-raised chick. The method of feeding broilers has much to do with the delicacy and flavor of the flesh. From the time the chick is hatched until it is marketed the best of food and attention is given it to produce the best results.

When writing our advertisers always mention THE FEATHER.



Duck Raising.

Editor The Feather:

It may surprise some to learn that the duck trade has been worked up to its present immense proportions, all within the past twenty years. Formerly it was more trouble to sell a dozen ducks in the Boston market than it is now to sell 1,000.

Then, about the only variety bred was the common puddle duck, and these birds, grown largely as they were, along our line of seacoast, their flesh a mixture of fish and fowl, were anything but an appetizing morsel to many palates; but with the advent of the Pekin, duck culture assumes a very important part of the poultry business. Now the public appetite is fast becoming educated to the fact that a nice, crispy, roasted duckling of ten weeks old is not only a dish fit for an epicure but is far ahead of either turkey, chicken, or goose. As a natural consequence the demand for good ducks is rapidly increasing. One of the principal poultry dealers in Boston assured me that his sales of ducks had nearly doubled each season for the past ten years. Fifteen years ago, when growing less than 1,500 ducks yearly, I was obliged to visit the city markets personally and tease the dealers to purchase my birds in order to secure anything like satisfactory prices. Now, with a ranch capacity of nearly 10,000 ducks yearly, I cannot fill my orders. Duck culture of today is quite a different thing from that in days of yore. Then, the young birds were confided to the tender mercies of the old hen. Now, the business is all done artificially. The artificially-grown scrap-fed duckling of the interior is a far different bird from his fishy-fed brother of the coast. He has been educated to a complete indifference to water except to satisfy his thirst. Taught to take on flesh and fat instead of feathers, his body is widened out and rounded off, and, when properly denuded of his feathers, is a thing of beauty. The Pekin variety, above all others seems to meet the market want. Its large size, precocity, immense fecundity, as well as its extreme hardiness, make it by far the most profitable breed for the poulterer to grow. One great advantage of the Pekin is, that when rightly managed the bird is under perfect control. You can start her laying at four and a half months old, and not only keep her at it, but can control the fertility of the eggs as well. Indeed, the duck is under far better control than the hen, and you can depend upon her for 150 eggs each season. Another thing in its favor is, that our climate and diet seen indigenous to the birds, and they thrive better and grow to a larger size than the specimens we imported years ago.

Some breeders are cultivating a type of their own, short head, neck, and bodies a natural Cayuga type, but we think the symmetry of the original birds cannot be beaten. The creamy-white of the plumage, the long head, bill, and body, together with the long, gracefully-curved neck, gives a beautiful type. It has always been our great effort to preserve the original type, and while doing so have greatly increased the size and fecundity. It is no uncommon thing for our young birds to weigh eleven pounds when brought in from pasture in the Fall. This, of course, would mean thirteen pounds when in condition.

There are now large establishments in many parts of the New England and Middle States. During the last ten years, we have heard the oft repeated refrain, "you are all over-doing the thing, you will glut the market and will then be all out." But notwithstanding these croakers, we never did so well as during the past season. It is true, that the prices ruled a little lower the last part of the season, but the low price of grain, more than canceled the difference. The outlook for the season is favorable. We have now, Feb. 9th, several hundred ducklings out, and 5,000 eggs in process of incubation, and things will soon be lively with us. Another thing which has been greatly overlooked, is, that a good Pekin Duck is much superior to a hen as an egg producer, and we are satisfied that from the best laying strains, well fed and cared for, as egg producers for market, the balance sheet would be largely in favor of the ducks.

JAMES RANKIN.

Clubbing List.

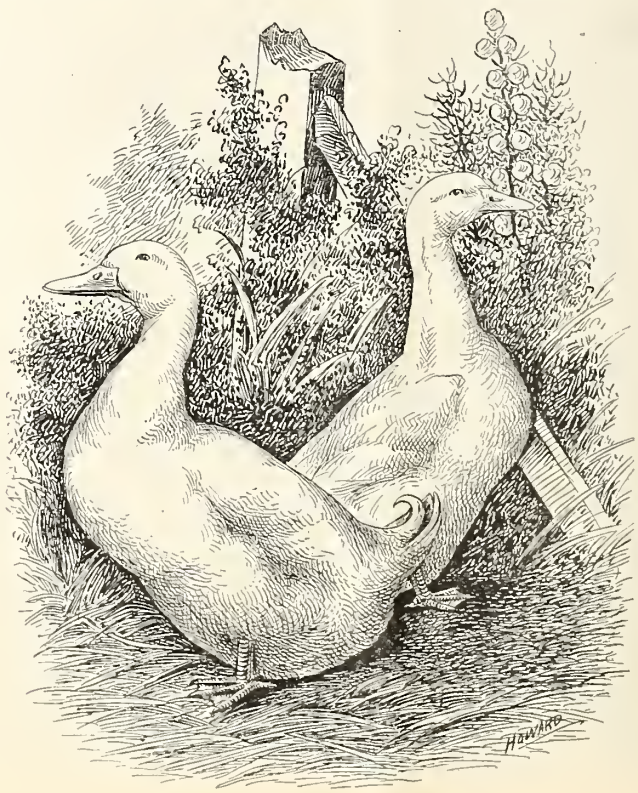
Name of Publication	Price Alone	With The Feather
The Feather	$0 50	
American Fancier	1 00	$1 00
American Poultry Advocate	25	60
American Poultry Journal	50	75
American Stock-Keeper	1 00	1 25
Fanciers' Review	50	75
Farm-Poultry	1 00	1 00
National Stockman & Farmer	1 50	1 25
New England Fancier	50	75
Ohio Poultry Journal	50	75
Pigeon News	1 00	1 00
Poultry Keeper	50	75
Poultry Monthly	1 00	1 25
Practical Poultryman	50	75
Reliable Poultry Journal	50	75
Rural Californian	1 00	1 00
Southern Fancier	50	75

GEORGE E. HOWARD & Co.,
Washington, D. C.

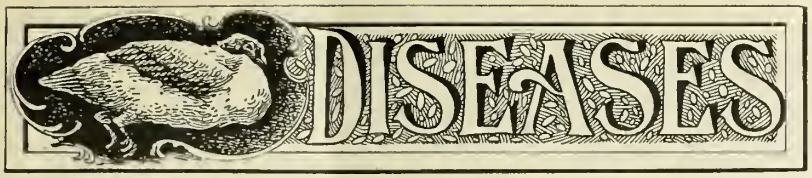
Officers for the Coming Year.

At the meeting of the American Buff Leghorn Club, held in Boston, January 29, 1897, the following officers were elected: President, Aug. D. Arnold; vice-president, C. D. Pierce; secretary and treasurer, E. P. Shepherd; honorary vice-presidents, A. Armstrong, H. A. Whitney, L. W. Jordan, F. W. Proctor, C. W. Hanson, C. W. Beman, J. H. Blood, W. O. Moore, N. S. Stockton, O. J. Albee, E. C. Slater, Frank E. Kimball; executive committee, R. G. Buffinton, W. R. Hibberd, Dr. C. T. Wiant.

When writing our advertisers always mention THE FEATHER.



PAIR PEKIN DUCKS.



CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Diseases of the Crop.

BY DR. D. E. SALMON.

IN order that the diseases of the crop may be understood, it is necessary that we should know something of the form, structure, situation and use of the different organs which constitute the digestive apparatus. The illustration which accompanies this article shows that the crop, or first stomach, marked 4, is a dilatation of the œsophagus; or we might call it a pouch attached to the front of this tube before it reaches the second stomach or succentric ventricle. It may be compared with the rumen or paunch of cattle and sheep. The food which is eaten and other substances which are swallowed drop first into the crop where they are macerated and softened in the liquids secreted by this organ. The contents of this crop are under normal conditions soon forced by the contractions of its muscular walls into the lower part of the œsophagus, which carries them on into the second or true stomach where they are mixed with the gastric juice and rapidly passed onward to the gizzard.

In the grain-eating birds, the gizzard is a remarkably firm, thick muscular organ which takes the food that has been softened and mixed with digestive liquids, and grinds it by pressing and rubbing it against pebbles that the bird has swallowed. Even the hardest grains and seeds are reduced in this manner to a paste upon which the digestive liquids can readily exert their dissolving action. This paste is pressed onward into the small intestine where it is mixed with the secretions of the liver and pancreas, which complete the solution of the nutritive principles and render them proper for assimilation.

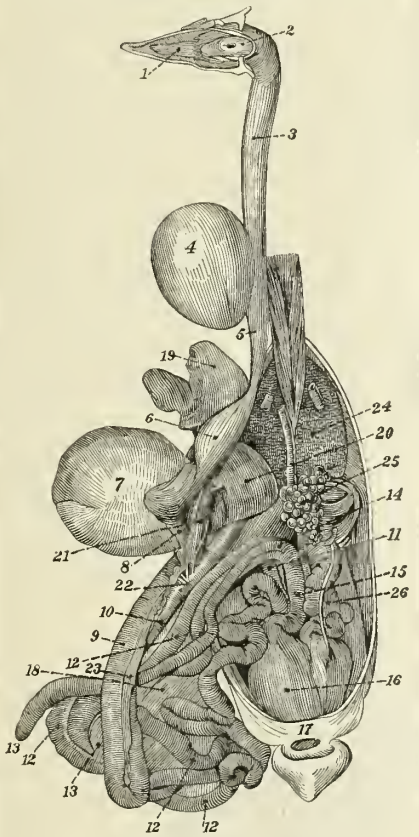
Under natural conditions birds are compelled to hunt their food, they find and eat but a small quantity at a time, and the crop is not overloaded by receiving a day's rations in a few minutes. In the domesticated state, these conditions are more or less changed, the birds are fed only once or twice a day and from lack of gravel, indigestion and insufficient exercise, acquire abnormal appetites and eat feathers, straw, dry leaves and other indigestible substances. Diseases and obstructions of the digestive tract occur from such causes, and while these are more or less preventible, even the most careful manager may occasionally find some of his birds affected.

CATARRH OR INFLAMMATION OF THE CROP

The mucous membrane lining the interior of the crop may be the seat of more or less irritation or even of inflammation. As a result of this process the functions of the organ are disturbed or arrested and serious conditions develop. The disease does not appear to be very common except as a complication of other disorders.

CAUSATION.

Catarrh of the crop may be caused by irregular feeding and by too much food being taken at one time. When the crop is over-distended the muscular coat is partially paralyzed, the secretion of the glands is interfered with, there is congestion of the internal coat, and fermentation or decomposition of the contents. If fowls eat feathers or other indigestible substances, these may irritate the mucous coat of the crop and produce catarrh. Partially decomposed meat, or putrid food of any kind, is also irritating and liable to produce the same result. The same disease occurs when birds eat substances containing phosphorus or arsenic, either by gaining access to rat poison, or when they are intentionally poisoned. Catarrh may, also, result from the presence of animal parasites (worms) such as the *Dispharagus nasutus* and *uncinatus* and the *Trichosoma contortum*. It is also a complication of thrush, diphtheria and cholera. With pigeons which have lost their young, it results from engorgement of the follicles that secrete the milky liquid with which the young pigeons are fed.



DIGESTIVE APPARATUS OF THE CHICKEN.

In this cut all of the head has been removed except the lower jaw, which has been turned sidewise to show the tongue and the openings to the trachea and œsophagus. The neck with the exception of the œsophagus, the breast bone, the heart and the superficial muscles have also been removed. The left lobe of the liver, the succentric ventricle, gizzard and intestinal mass, have been pushed to the right to uncover the different portions of the digestive canal and expose the ovary and oviduct.

1, tongue; 2, pharynx, showing opening to larynx; 3, upper portion of œsophagus; 4, crop; 5, lower portion of œsophagus; 6, succentric ventricle; 7, gizzard; 8, origin of the duodenum; 9, first branch of duodenal flexure; 10, second branch of the same; 11, origin of the floating portion of small intestine; 12, small intestine; 12, terminal portion of small intestine with one of the small caeca on each side; 13, free extremities of the caeca; 14, insertion of these two organs into the intestinal tube; 15, rectum; 16, cloaca; 17, anus; 18, mesentery; 19, left lobe of the liver; 20, right lobe; 21, gall blabber; 22, insertion of the pancreatic and biliary ducts; 23, pancreas; 24, lung; 25, ovary; 26, oviduct.

SYMPTOMS.

The most prominent symptom is distention of the crop, and on examination the swelling is found to be soft and due to accumulated liquid or gas, mixed with more or less food. The birds are dull, indisposed to move, and there is belching of gas, loss of appetite and weakness. Sometimes there is nausea and the affected bird attempts to vomit. Pressure upon the crop causes the expulsion through the mouth of liquid and gas having an offensive odor due to fermentation.

TREATMENT.

A clean, dry pen should be provided for the affected bird or birds where proper attention can be given to the treatment and where the food can be regulated. The first step in treatment is to empty the crop of its irritating and decomposing contents by careful pressure and manipulation while the bird is held with its head downward. When the crop appears to be entirely freed of its contents, give two grains of subnitrate of bismuth and one-half grain of bicarbonate of soda in a teaspoonful of water. This will relieve the irritation and correct the acidity. Some authors recommend salicylic acid to be given immediately after the crop is emptied. It may be conveniently administered by dissolving one grain in an ounce of water and giving two to three teaspoonsful as a dose. The bird should be kept without food for eighteen or twenty hours, and then fed sparingly upon soft, easily digested material. If one-half grain of quinine is given morning and night for two or three days the recovery is hastened. If treatment is commenced in time most of the birds will recover.

[To be concluded next month.]

Is it Good for Doves?

Will some readers of THE FEATHER tell me if sweet milk is good for doves or not? I have been having good success with my doves lately. Last April I started in business with "Lady Bess" and "Fighting Joe Hooker" and they have raised twelve since then. The first pair they raised I sold one and bought a mate for the other and they have raised eight sound and healthy doves. The second pair "Joe Hooker" had, one died when a squab, and the mate mated with "Sir Humphrey Gilbert," and they have raised six. I have taken THE FEATHER ever since I started in the poultry business and think it is the best poultry paper going. It is a welcome and regular visitor every month.

Yours Truly,

Kimball, Ohio. BERT SARGENT.

The New Feather.

'Tis a new "Feather,"
Yet not a new bird;
Altho' it has grown—
Say, fully one-third.

'Tis the self-same bird
With a growth more mature;
And 'tis old enough to crow,
Of this I am sure.

Let it crow if it will
In all kinds of weather;
But this let it not do—
E'er show the white "feather."

Lyndonville, Vt. I. W. SANBORN.

The Feather,

Washington, D. C.

Published the 15th of Each Month by
GEORGE E. HOWARD & CO.

Subscription 50 Cents a Year in Advance.
Single Copies 5 Cents.

GEORGE E. HOWARD, Editor.

Advertising rates made known on application.
All matters intended for publication should reach us by the first of the month preceding the issue the same is to appear.
Write your name in full, giving full post office address plainly, so there will be no mistakes.
When writing for publication use only one side of paper. Brevity is the soul of wit.
Remittances should be made by postal note, postal money order, registered letter, bank draft or express money order.
All remittances should be made payable to
GEORGE E. HOWARD & CO.,
Room 353, Central Power Station,
Washington, D. C.

Entered at the Post Office at Washington, D. C., as second-class matter.

MARCH, 1897.

7,466 for March.

A. McSween, of the National Publishing Co., printers and binders, of Washington, D. C., being first duly sworn, states that his firm is printing and binding seven thousand four hundred and sixty-six (7,466) copies of the March number (1897) of THE FEATHER.

A. MCSWEEN.

Subscribed and sworn to before me this 16th day of March, A. D. 1897.

CHARLES S. FLETCHER,
[SEAL] Notary Public.

Successful Advertising Most of our wealthy business men have laid the foundations for their success by judicious advertising. This means of building up a business is open to all, and fortunes are made every year by men who could not earn a living if it were not for the assistance of printers' ink. It is true that every man who advertises does not make a fortune, but it is equally true that when the vast population of the country is appealed to, through the advertising columns of the press, one man's chances of success are as good as any other man's, if the inducements offered are equal. If there is failure to reap a proper reward from advertising, it is due to one of the following reasons: (1) Something is offered for which there is little demand; (2) the inducements to purchase are not sufficient; (3) the methods of doing business are not satisfactory; or, finally, (4) the advertising is injudicious.

It is our purpose to present a few considerations on the subject of advertising, as this is just now a most important question with the thousands of our readers who desire to find a remunerative market for the birds and eggs which they have produced with great care and expense. The poultry press is, of course, the best medium for such advertising, but the proper method of advertising appears to be understood by very few. What is the object of advertising? Is it not to make the acquaintance of people previously unknown to you who are likely to become your customers, to gain their confidence, to bring what you have to sell to their attention, and to make sure that they will think of you when they wish anything in your line?

Let us consider how we judge a new advertisement when it appears in our poultry paper. Do we not say in our minds, "Well, here is a new advertiser. And he has just what I have wanted for a month. I wonder if he is reliable; and I should like to know if he has the best strain of birds, and whether he packs his eggs properly for shipment, and, also, whether he has made a reputation for transacting business promptly and in a satisfactory manner. If I had seen his advertisement before I would feel better acquainted with him, and more certain that he had an established business. I will just wait a month or two and see whether he continues his advertisement. I want to know whether he is a speculator or whether he is doing a legitimate business."

If we judge other people's advertisements in this way, it is to be expected that ours will receive similar consideration. It is a maxim with successful advertisers that an advertisement must be kept constantly before the public. Those who insert a card for only one month or three months cannot expect the best returns for their investment, nor can they determine the advertising value of a periodical by such an experiment.

The best customers are those who hesitate longest before patronizing a new advertiser. The man who has little at stake may buy a sitting of eggs or a cheap pair of fowls from an advertiser whom he knows nothing about, but the person who is stocking up a new poultry farm and who has much money to put into the business will proceed cautiously. He cannot afford to do otherwise.

It is plain, therefore, that advertising to be successful in building up a business must be kept constantly running, and that the returns will increase rapidly after the readers become familiar with the card and have confidence in the standing of the advertiser. It is advisable to run both a classified advertisement and a display advertisement by the year, in order to get the best rates for space and at the same time convince the public that you are in business to stay. Many people read only the classified advertisements because of the convenience of finding what they want; others read only the display advertisements because they are more attractive and give more information. Hence the importance of being represented in each.

THE FEATHER gives special attention to classified advertisements, with a view to aid both the seller and buyer. The type is new and very distinct. A standard six-line advertisement is run one year for $4.00, which is only a nominal sum, and is really the cheapest form of advertising that can be obtained in this country. There is no periodical that has a better class of readers than THE FEATHER, and the circulation is rapidly increasing. Advertising contracts made now covering space for a year will give the advantage to the advertiser that he will secure a circulation of probably fifty per cent. in excess of what he pays for, as our rates are based upon present circulation and not upon what it will be six months from now.

* * *

It Will be Interesting. The April number of THE FEATHER will be a most interesting one. The many valuable contributions now in hand warrant us in saying that it will be highly appreciated and valued by our readers. Those desiring to secure this number should not delay in sending in their subscription, as back numbers are difficult to supply. The safest and surest way to get each issue is to place your name on the subscription list. Among the numerous good things selected for that number may be noted the following:

"A Boy of Sixteen." The plain statement of facts of the success of one boy of sixteen with poultry raising. Illustrated.

"Poultry Culture." A woman's idea of the poultry business as a remunerative undertaking for women. By Mrs. Nellie Hawks. Illustrated.

"A Fancier's Home." Complete description of the large and prosperous plant of Mr. Rudolph Thiele. Illustrated.

"Success is Here." An ably written article by Mr. Wm. H. Rhees, describing the methods of one of the most practical poultry farms in New England. Illustrated.

"The Hatching Time." A companion article to "Nests for Sitters," describing the various labors of these busy days. Illustrated.

"Record Makers." A contribution on Mr. Theodore P. Green's Royal Blue Line Lofts and poultry yards. Illustrated.

"The Show Homer." Descriptive article by Ellsworth on the characteristics of this splendid bird with their standard for breeding. Illustrated.

In addition to the above, the Disease, Bird, and Business World departments will be filled with the usual up-to-date matter of interest to all.

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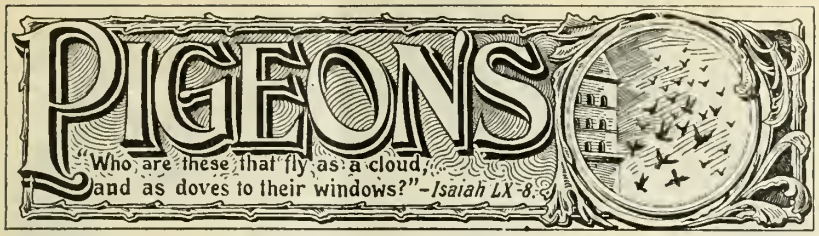
Look Out for The Century Co. Last month we published a small ad. of the Century Incubator Co., Louisville, Ky. The business came recommended to us, and the check in remittance was signed "Century Incubator Co., by J. A. Gordon." A few days afterwards the check was returned to us with this glowing inscription on it: "The rumor has it that Mr. Gordon skipped town leaving numerous creditors." We trust none of our readers have been swindled through advertisements which have appeared in our columns. We use all possible care in scrutinizing advertisements and shall reject all that are in the least suspicious.

* * *

A Three Months' Story. The advertising patronage of THE FEATHER has been phenomenal; over 261 new ads. nave been published in the last three months. In January the new ads. were 59; February, 93, and this month, 109.

* * *

A New Poultry Bulletin. The U. S. Department of Agriculture has just published a Farmers' Bulletin, entitled "The Standard Varieties of Chickens," which was written and illustrated by George E. Howard, editor of THE FEATHER. Mr. Howard, who is a very busy man, undertook to prepare this bulletin, on the invitation of the Department, because of the influence it is expected to have in popularizing the standard varieties of fowls, and in bringing new life to the poultry industry. The illustrations are a revelation of what can be done in this line, the perfection of detail and the artistic effect being unexcelled in poultry literature. While, on account of the limited size of the pamphlet, the descriptions of the different varieties are brief, Mr. Howard has, nevertheless, managed to condense an immense amount of information in the space allowed him. We predict an enormous circulation for this bulletin, which may be obtained free by making written application to the Department of Agriculture at Washington, D. C.—*Contributed.*



CONDUCTED BY J. C. LONG, NEW YORK CITY.

THE TRUMPETER.

Russia's Peculiarly Named Representative of the Pigeon Kingdom.

THE Trumpeter pigeon—here, indeed is a strange name for a pigeon! Why it was given this name it is very difficult to conjecture, unless it can be attributed to some peculiarity in the "coo" the bird makes. Diligent search has failed to enlighten me on the subject, and the only way I can attribute this strange nomenclature is as stated above. The variety used to be known as the Laughing Pigeon, and Fulton states that this name was given it on account of the abruptness of the bird's coo; but why the name should be change to the Trumpeter it is difficult to understand. The Americans call the breed Russian or Bokhara Trumpeters, this latter name being uncommon and rarely, if ever, used in the British Isles.

Like many other varieties of pigeons, the Trumpeter was first imported from Russia, and is undoubtedly of Russian origin, although many specimens of the breed are to be found in Germany, whence may have been imported into this country, but Germany is certainly the country of their adoption, and not of their origin, the Germans having procured the breed from Russia in the first instance.

Well do I remember, some sixteen years since, when on a visit in Oxfordshire, seeing a loft of these birds. The peculiarities of the feather growth did, indeed, impress me as being most strange, and I have sinee been an ardent admirer of the variety, and whenever the opportunity has presented itself have always taken a lively interest in the breed. The loft in question contained birds of the three well-known colors, viz., Mottles, Blacks and Whites, and beautiful they appeared to me as a striking instance of some of the peculiarities of the Columbarian tribe. The gentleman to whom they belonged was an ardent fancier, and doubtless would by this time have been to the front in the Trumpeter fancy, but some years ago was called away to the home from which no man returns, and his loft of birds passed into other hands.

There is one peculiarity in the feather formation of the Trumpeter which cannot be found in any other breed of pigeons, and that is, the tuft of feathers which it possesses on the top of the head, and which is termed the rose. This feather formation is best likened to the crest of a canary. It is circular in shape, diverging from the center and covering the whole of the skull, and also extends over the eyes and nearly the whole of the beak. It is large and well-formed—in fact, the larger the better, as the size and shape of the rose is the principal point about a Trumpeter. Having mentioned the feature of the Trumpeter, which is certainly individual to this particular breed—viz., the rose—there is also another feather growth which is called the crest, and this characteristic is possessed by other breeds—namely, Swallows, Nuns, Frillbacks and some few others, mostly of foreign production. The crest is a semi-circle of inverted feathers rising behind the rose, half-encircling the head and extending from below the eye on one side of the head to the same position on the other side of the head. The essential quality of the crest is its length of feather and regularity of shape.

Foot-feathering is another property which belongs to the Trumpeter. Like the Swallow, Muff-legged Tumbler, and some few other breeds, it is endowed with a plentiful supply of this feathering. It begins at the hock, extends down the leg, and covers the whole of the toes. The longer the feathers the better. The feathers which commence at the hock are somewhat short, but the length increases further down the leg, while the longest feathers grow on the feet, more especially on the outsides of the feet, it being natural that they should be shorter on the insides or that part of the feet between the legs, or they would impede the bird's operation of walking. Good long feathering on the feet is necessary, but the principal points are the rose and crest, and these should on no consideration be neglected for the sake of foot-feathering.

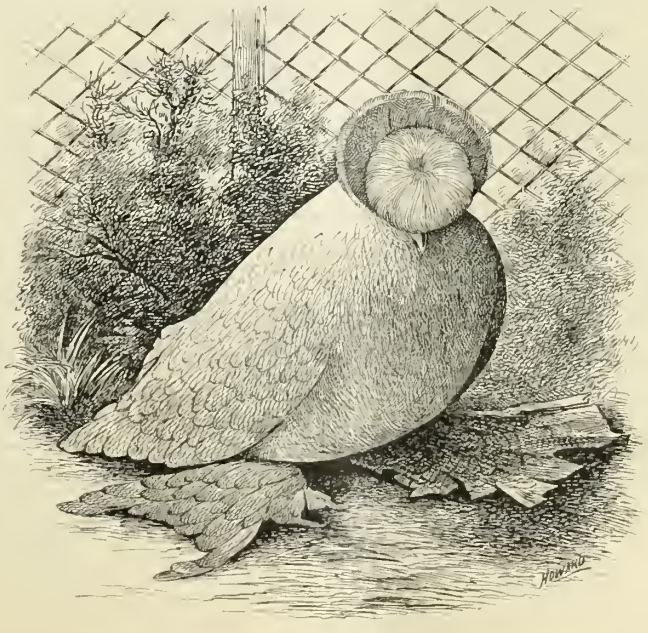
The size of the Trumpeter is very deceptive to a person unacquainted with this particular breed, as it is feathered to a greater extent than any other member of the Columbarian tribe, and therein lies the deception. In reality it is not larger than the Dragoon and when one takes into consideration that the Dragoon is classed with the larger breeds of the pigeon world, one may safely say that the Trumpeter is a good-sized, if not a large pigeon.

To the uninitiated it is always a puzzle how the birds can see, as the rose extends over the eyes and gives one the idea that the organs of sight are altogether so obscured as to interfere with their performing their functions. Then the legs are so heavily muffed that it certainly does give one, who is unacquainted with pigeons, the idea that it is impossible to walk with the feet hampered to such an extent.

To all appearance the Trumpeter is clumsily and heavily built, and this seeming clumsiness is not only caused by the amount of feathering the bird is endowed with, but to a very great degree by its carrying its feathers so loosely. This appearance certainly seems justifiable to a person who sees the bird in its inactivity, but the dignity with which the bird walks and the stateliness of its carriage would soon convince anyone that a wrong impression had been formed. The eye is white or pearl, and when the bird turns its peculiarly-feathered head sideways it certainly is most impressive.

As regards the colors of the variety, there are three, viz., Mottles, Blacks and Whites. Mottles are, indeed, very difficult to breed with the correct amount of mottling in the plumage, as required by the standard; but that which breeders of Mottled Tumblers have been able to achieve—perfection of mottling—surely Trumpeter fanciers will also be able to produce. Of course this cannot be done without time and scientific breeding, but anyone who can succeed in getting together a good lot of Trumpeters of this color will surely find it a remunerative speculation. In Blacks the color is lustrous, and not dull; in fact, the higher the luster the better, as it adds greatly to the beauty. Whites, as the name signifies, are pure and spotless, being of a uniform color over the entire body, head, wings and tail.

The Trumpeter, unlike all other varie-



WHITE RUSSIAN TRUMPETER COCK.

ties of pigeons, at the approach of danger, has a very strange manner of bowing its densely-feathered head upon its breast, as in this position its vision is obscured by its rose in any but a downward direction.

A hint to those who wish to take up another variety of pigeons. I would certainly recommend anyone who intends taking up a breed of pigeons to select the Trumpeter, as I emphatically believe that it is one of the coming varieties and anyone who does so will find it will amply repay them for their time and trouble.

In judging Trumpeters the properties should be taken in the following order: Rose—Size, shape and regularity. Crest—Size, shape and uniformity. Foot-feathering—Length and quality, size. Color—A Mottle, if correctly marked, should be placed before a Black or a White, providing all other points are equal. Tightness of feather, color of beak, and, lastly, color of eye.

The scale of points is as follows: Rose, 10; crest, 8; foot-feathering, 6; size, 2; color, 2; lightness of plumage, 2; beak, 1; eye, 1; total, 32.

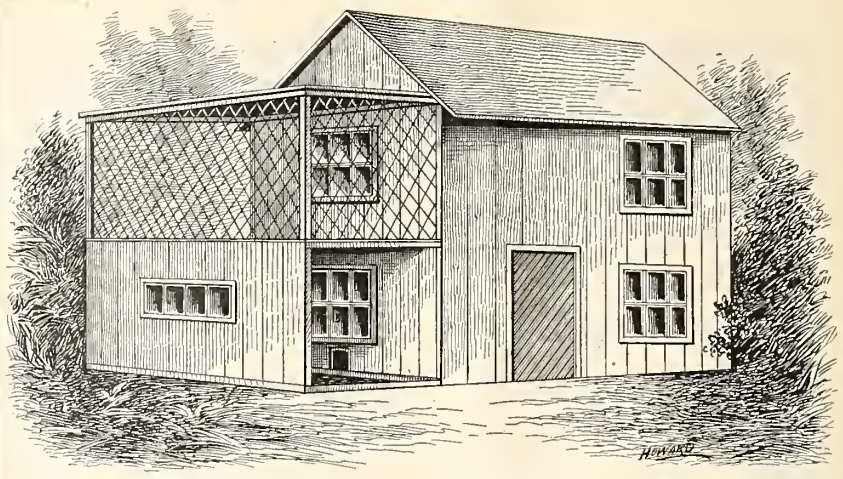
When one comes to consider the peculiarities of nature, surely the Trumpeter pigeon may be counted among them, for what other variety possesses such a characteristic feather formation of the head, with its elegant rose, compact and regular crest and foot-feathering—in fact, such a combination of peculiarities in its feather construction? I venture to say none.—VICTOR WOODFIELD, in *Feathered World*.

[The White Russian Trumpeter cock used in illustrating the above article was bred by J. H. Baulch, Port Hope, Canada. The bird is an elegant specimen of its type and was only nine months old when this picture was made.—ED.]

Pigeons at New York.

Pigeons have always been a strong feature at the annual show of the New York Poultry and Pigeon Association, but with all the previous displays never before has the Madison Square Garden seen such an aggregation of quality, beauty and numbers as the pigeon department brought out this season. It really seems as though it could never again be excelled, but as each recurring year has shown improvement over its predecessor, there is hope for as fine, if not better, display another year. Much praise is due the management, and especially to Secretary Crawford, an ardent pigeon admirer himself, for the opportunity pigeon exhibitors had to display their birds. There was no partiality and each class and variety was placed so as to be seen to the best advantage.

Nearly all classes were filled, some to overflowing, and all of such quality as to make the judges' task a severe one to select the best where all were of such high quality. The number of entries recorded was 1,250, and was divided as follows: Carriers, forty-five birds, composed of Blacks, Duns, Whites and any other colors; Pouters, eighty-six in number, composed of Blue Pied, Black Pied, Red Pied, Yellow Pied and Whites, and were the finest lot of birds shown in New York for years—some as nearly perfect as nature ever allowed them to be. Pigmy Pouters numbered eighteen, nearly all good specimens. Barbs, twenty-two in number, but not up in quality to some former displays. Tumblers in all the different colors and varieties, number 140 specimens, and the list contained some beautiful birds. But, it seemed to me, the crowning feature of this department was the Jacobins, 179 in number, and hardly a poor bird in the lot and of all the colors known to Jacobins. English Owls numbered forty-nine and mostly of good quality; African Owls, twenty, and very neat, attractive little specimens they were; Chinese Owls, ten, also good; Colored-tailed Owls, twelve in all, and as good as their companions before named; Trumpeters were represented by three specimens, good birds, but losing their attractiveness for want of competition; Fantails came next in order, seventy-six in all, and composed largely of Whites, although Blues, Blacks, Yellows, Reds and Saddles were represented, but the Whites were the chief attraction and well worthy of attention, the judge certainly having had no easy task to select the best; Oriental Frills numbered 110, and were composed of Satinettes, Blondinettes, Bluettes, Silverettes and Turbiteenes, and all of fine quality, showing that their admirers in this country understand how to breed them for the best results. To the surprise of every one, Turbits were an unusually small class, numbering only thirty-nine specimens, but of good quality; usually this is a strong class at this show. Magpies were out in force, numbering 108 specimens, and all showing that racy, wide-awake appearance so essential in a good Magpie to-day. Here the work of the judge could have been no easy one where all were so good, and I noticed several instances which I thought showed hurried work. Swallows, once so popular, showed only sixteen specimens and those principally of the White Barred variety. Dragoons numbered forty-eight and were as fine a lot as ever came to the garden; they are gamey-looking birds and a loft of such beauties must be a joy to look at. Nuns, another old favorite, numbered only fourteen, principally of Blacks. Archangels were twenty-three in all and as fine as anyone could wish. There is no domestic pigeon that equals them in richness of coloring, and it is a wonder they are not more generally bred. Runts numbered nine birds, all large birds and conspicuous because of their great size. Squab raisers looked upon them with admiring eyes. Helmets, Starlings and Frill Backs numbered four each, showing that these varieties are not wholly extinct. Following these were ten Ice pigeons, and after these twenty-three Tipplers, which, while they helped make a variety, are not properly show birds, as it is only by their acts that you can know them. Antwerps numbered thirty-nine, all of good Antwerp qualities as far as shape, eyes and feather is concerned. Like the Tipplers, they need to be judged by their acts. Added to all this long string were twenty-four birds in the Any Other Variety class, and this was made up of Pouters, Short Faced and Long Faced Tumblers, Oriental Frills, Swallows, Antwerps and single specimens of various other varieties; a mixed lot and one difficult to judge and subject largely to the particular fancy of the judge. I never could see why such a class was established, for where all were good no two men would be likely to select the same birds as the best.



COMBINATION HOUSE.

The judges were F. H. McArdic, of Waltham, Mass., on Tumblers; John Glasgow, Mahwah, N. J., Owls and Dragoons; John Blair, Yonkers, N. Y., Pouters; H. A. Koons, Allentown, Pa., Swallows, Priests, Nuns, Turbits, Archangels and various; D. E. Newell, New York City, Carriers and Barbs; W. J. Stanton, Jacobins, Fantails and Magpies, and J. C. Long, Trumpeters, Homers and Oriental Frills.

Very little fault was found by the exhibitors, so it is natural to believe that the work was done in a satisfactory manner. A volume might be written on the qualities, good and bad, of this uncommonly find display, but space will not permit in an article like this.

J. C. LONG.

Combination House.

So many inquiries have come to us lately for plans of a house suitable for poultry and pigeons that we decided to answer them all at one time by publishing the plans of the combination house shown in illustration. This plan is, in our opinion, one of the cheapest and most convenient combination houses we ever designed. It is admirably adapted to the fancier who keeps poultry and pigeons, and can be built for a moderate amount. Such a house is an ideal one for the city and suburban fancier.

The house may be built any size. The one shown in the illustration is ten by fourteen feet on the ground floor, with a seven by ten-foot scratching shed attached. It is fourteen feet high to the square. The whole may be built of rough lumber and whitewashed, and the roof may be of shingles, tin or waterproof paper. The interior arrangement of house may be of any plan to suit the fancy of the builder, as hardly two opinions agree on the arrangement of nests, roosts, etc. The house should face the South.



MESSAGE BEARERS.

Interesting Data and Brilliant Records Made by These Winged Messengers.

PIGEONS are more largely employed as message bearers than is generally known, both in this country and abroad. In 1882 Major-General Hazen, of the Signal Service, and Major J. C. Breckinridge, of the Department of the Pacific, gave the subject of the use of pigeons in our own country serious consideration, with the result that a "Memoir on the Use of the Homing Pigeon" was published by the authority of the Secretary of War, and issued about the same time from Washington and San Francisco.

The relief brought to beleaguered Paris by pigeons during the Franco-German war cannot be over-estimated, and the powers of the continent were not slow to recognize the value of the opportunities the use of the birds afforded, as evidenced by the immediate addition of pigeons to the military equipment.

The military lofts of Germany are the most complete in every particular known, and the government essays to encourage outside co-operation by the encouragement of pigeon-flying as a national sport.

In England, although the pigeon has been used to good purpose as a message bearer, it is doubtful if it can ever be used extensively on account of the foggy climate, as on a foggy day the best birds are useless.

In Belgium the sport of pigeon-flying is the national pastime. It is said that there one-fifth of the entire population are active fanciers, and the birds are sent away in such numbers that special trains are made up for them.

The sport in America is young yet, the first incentive to distance flying being in 1878, when one hundred dollars in gold was offered to the owner of the first bird to return from a station 500 miles away. The first attempt to win this was made the same year from Columbus, Ohio, to New York City, 475 miles, but both birds started were lost. The next year Philadelphia birds were the first started, but their owners did not comply with the conditions and the record made was lost. New York birds were then sent to Steubenville, Ohio, 340 miles, and to the surprise of all there were returns the same day of liberating. The first bird home was "Francisco," owned by Mr. L. Walfelaer, of Hoboken; time, eight hours, eighteen minutes. A month later six birds were offered for the Columbus race, three from New York and three from Brooklyn. All returned. The first back was "Boss," owned by Oscar Donner, of Brooklyn, arriving before noon of the second day. This year Mr. J. R. Husson's "Nun" made the journey from Cresson, Pa., to New York, 243 miles, in 237 minutes—averaging the mile in about fifty-eight and one-half seconds.

From this time the effort was for a one-day journey from the 500-mile distance. Among the best returns through the several years were: July, 1880, "Easton," W. Verrinder owner, Jersey City, from Columbus, Ohio, distance 473 miles; time out, 26 hours and 50 minutes. July, 1882, "C. A. Arthur," W. Bennert owner, Newark, from Columbus, Ohio, distance 464 miles; time out, 28 hours and 13 minutes. July, 1883, "Darby," G. Darby owner, Boston, Mass., from Stratford, Ontario, distance 510 miles; time out, 27 hours. June, 1884, "Pegram," S. G. Lambertson owner, Keyport, N. J., from Charlotte, N. C., distance 500 miles; time out, 25 hours and 2 minutes. June, 1885, "Ned Damon," T. F. Goldman owner, Brooklyn, from Abingdon, Va., distance 508 miles; time out, 14 hours and 25 minutes.

Some of the greatest distances covered by American birds are: 1883, "Gladiateur," E. H. Conover owner, Keyport, N. J., from Atlanta, Ga., distance 725 miles; time out, 10 days. 1883, "Atlanta," Samuel Hunt owner, Fall River, Mass., from Jonesboro, Tenn., distance 715 miles; time out, 9 days. 1885, "Red Whizzer," R. L. Hayes owner, Philadelphia, from Pensacola, Fla., distance 935 miles; time out, 12 days. 1885, "Arnoux," A. P. Baldwin owner, Newark, N. J., from Pensacola, Fla., distance 1,010 miles; time out, 26 days. 1885, "Alabama," Samuel Hunt owner, Fall River, Mass., from Montgomery, Ala., distance 1,040 miles; time out, 20 days. The last-named distance was the greatest ever covered by a Homing pigeon up to that time, though lately much greater distances are frequently flown and 500-mile journeys in one day are not of unusual occurrence.

—o—

Squabs for Market.

Squabs for market should be killed at about four weeks old, or just as they are ready to leave the nest. They should be selected the afternoon of the day before that on which they are to be killed and put in boxes. It is important that their crops should be emptied of all food at the time of killing as otherwise they look bad and do not keep so well. When ready to kill, hold the squab in the left hand, with the legs and ends of the wings together in a firm grasp, the head hanging down, and with a sharp penknife, or better still a French killing-knife, sever the jugular vein just back of the head. Squabs should be picked while warm and care should be taken not to break the skin. They are not so easy to pick if allowed to get cold, and for this reason should be killed only as needed. After picking clean throw the squab into very cold water, where it should remain for half an hour. Then wash carefully, fold the wings across the back, tie together in pairs and they are ready to ship.

For Squabs.

Editor The Feather:

I want to know what the best sort of pigeon is for raising squabs for market, taking into consideration hardiness, prolific breeding, good size and good quality of flesh? Any information that you can furnish me relative to the above, also where the stock can be obtained and at what prices, will be appreciated.

What sort of a pigeon is the Runt? What are the good and bad points concerning this bird for squab raising for market?

Yours Respectfully,

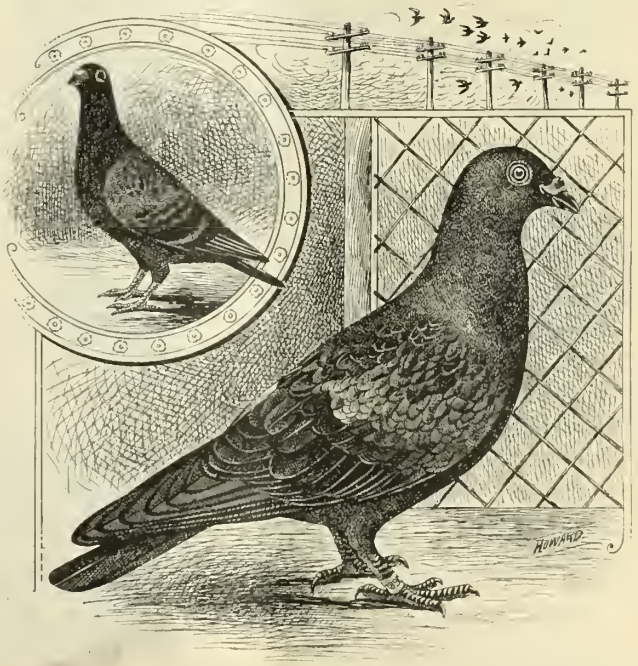
Denver, Colo. HENRY A. STEARNS.

The Homing pigeon is the best bird for raising squabs for market. They are prolific breeders, hardy and of good size. They can be obtained of any of our advertisers of Homing pigeons at reasonable prices.

The Runt is the largest of all pigeons, sometimes reaching two and one-half pounds or more in weight. They are not extra good breeders and are quarrelsome in disposition. They are used for crossing with the Homing pigeons for raising squabs for market to give increased size to squabs.—ED.

The Oriole.

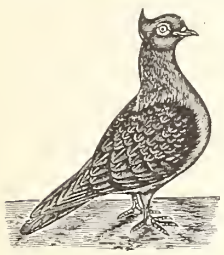
The Oriole Homing Club, Baltimore, Md., at its annual meeting elected the following officers for 1897: President, Clifton Ritter; vice-president, Frank K. Farmer; treasurer, John F. Lilly; secretary, William J. Johenning; race secretary, Adam H. McQuay.



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Season of 1896.

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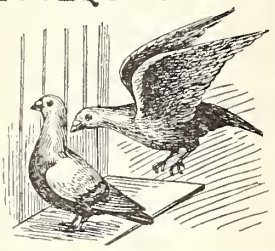
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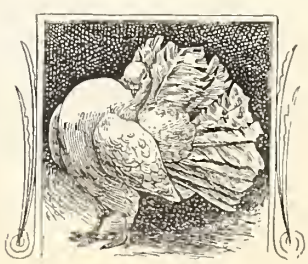
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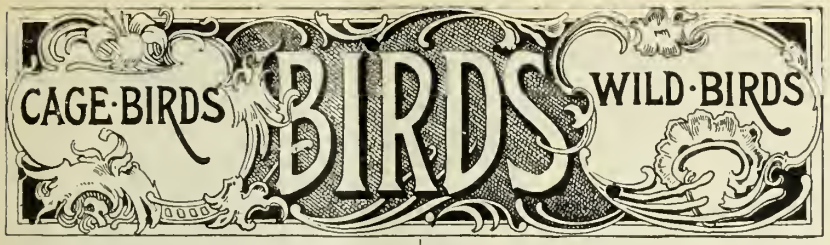
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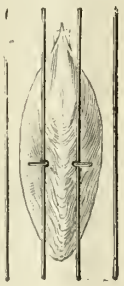


BREEDING CANARIES.

Practical Treatise on Raising and Caring for These Popular Songsters.

BY ORIOLE.

CAGE birds are like children in many respects. The more common sense exercised in the matter of food, clothing and general family regulation the better health, temper and mental vigor will the children enjoy. So, too, with the pet canary. He will respond just as quickly and appreciably to good or to indifferent care as any child. His wants are simple, but all the more necessary because of their simplicity. He needs bright, heavy, nutritious seed, free from dust and judiciously mixed, pure water and regular temperature, with his cage hung in the sunlight, kept clean and sweet and swung clear of all drafts. These are the necessaries of his happy musical life and too much stress cannot be laid upon them. Every lover of canary melody should first of all secure a well-recommended bird from some established, reliable dealer and then proceed upon the pious principle that "an ounce of prevention is worth all the nostrums on earth" in relation to the health of his cherry little songster.


Cuttle-bone attached to cage.

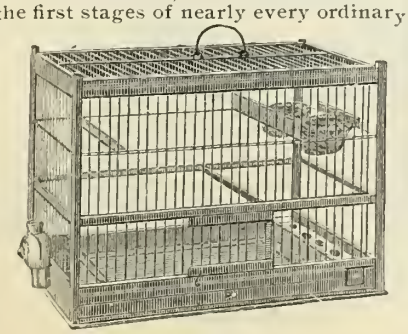
The staple food of the domestic canary is the best quality of Sicily, canary and German Summer rape seeds in about equal parts, with a third part made up of fine millet and maw seeds in the proportion of two to one. To this may be added a moderate allowance of fresh lettuce or groundsel in season, and an occasional tid-bit in the form of egg food. An excellent recipe for egg food is to mix a hard-boiled egg grated fine with half the amount of fresh pulverized cracker and a sprinkling of Cayenne pepper. The English breeders sift in a little powdered sugar also.

It is an excellent principle to trust to the sagacity of the reputable bird dealer and shun the drug store and grocery when purchasing seed. Ground clay is freely mixed with bird seed to make it profitable in the scales and the bird dealer is the only man engaged in handling seed who cannot make this deadly adulteration pay. He is forced in self-protection to keep pure, clean seed or suffer a ruinously high death rate in his cages. Then every singer should be supplied with a cuttle-bone on which to whet his bill, and the bottom of his cage should be liberally strewn with silver sand or fine gravel changed every day or at least once in two days. Pure drinking water is essential to health and song, and the requirements of cleanliness also demand the introduction of a shallow bathing dish into the cage several times a week, according to the partiality of the individual singer to a morning dip.

There is no such thing as lump sugar, cake, and the hundred and one harmful luxuries with which ladies insist on murdering their pets, to be found in the well-regulated bird household. The canary is a frugal, old-fashioned little soul. He asks for but few treats, and these should always take the form of bird manna or some other standard preparation put up by experienced hands. In the molting season bird manna, or some good equivalent for it, is very helpful. The changing of plumage is a weakening process, and unless some extra stimulant is provided no sensible canary will exert himself to remain in song and has all he can attend to in keeping his health. A few drops of wholesome tonic containing iron and an extra allowance of egg or nestling food will pull the little patient through the annual crisis bravely and bring him out in his Winter overcoat in bright, smooth, glossy plumage and full song.

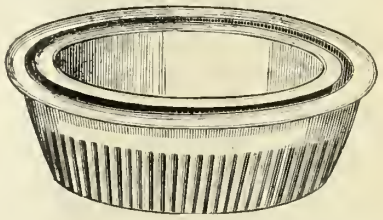
Sunlight is a powerful agent in the production of fine feathers, and a little sweet wine splashed into the bathing water occasionally will be attended with good results. The ailments with which canaries are afflicted are generally traceable to neglect or inattention of some sort. Old, dusty, rancid and withered seeds, neglected water cups, drafts or irregular temperature will produce asthma, sneezing, consumption and a dozen other maladies. Prevention in any case is easy, cure is next to impossible. The true friend of the feathered pet will see to it then that his little charges suffer through no carelessness or faulty treatment.

Timely care makes disease a stranger in the aviary. In the event, however, of an ailment it is well to be provided with the few simple remedies prescribed and put up by those long skilled in attendance upon the bird room. Such remedies are always to be had in convenient form with plain directions for their use, and any pet stock dealer of established reputation can be relied on to supply them. It is a good general rule to remove a sick bird to a warmer place sheltered from all currents of air as soon as he is observed to be under the weather. Warmth, aided by a dose or two of the excellent tonics to be had in the bird stores, will work wonders in the first stages of nearly every ordinary malady to which canaries are subject. Neglected cases of course call for heroic remedies but this is no part of the ordinary care of the household pet. It is sufficient for those who content themselves with one or two singers to keep a bottle of standard tonic always at hand for use in case of emergency, relying chiefly on good, wholesome seed, pure water and cleanliness to insure health and melody in the cages.


BREEDING CAGE.

Canaries are wonderfully hardy. If they were not half of them would speedily drop out of existence, for the average singer has more indigestible victuals to dispose of than even the victim of cheap boarding-house rations. He is satisfied with a moderate-sized cage, which should be square oblong in shape as dizziness is often fomented by round cages. The perches should be as thick as the body of a schoolboy's pen-holder, to spare the pet the torture of cramping his feet to clutch a small roost. It is a good plan to scrape the perches with a dull knife and scour them in dry sand in place of washing them. Wet perches are apt to encourage colds and rheumatism.

If a bird is tormented with insects he will betray the fact by his uneasiness. A piece of white cotton flannel thrown over the cage at night if examined in the morning will be found stuck full of little red mites. To destroy these miserable pests it is best to procure a package of


BATHING DISH.

the German powder prepared for the purpose and follow the directions which accompany it to the letter.

Canaries will thrive in any temperature between forty and eighty degrees, provided it is kept regular and uniform and free from drafts. No singer should be hung in the noxious gases that rise to the ceiling of a sitting-room when the lamps are lit, nor should he breathe eighty degrees of heat in the daytime and frost laden air at night. The thin and almost imperceptible draft that sneaks in at a window casement is a fruitful cause of cold and death. It is downright cruelty to hang a bird so that he has no escape from it.

In selecting a songster it is very poor economy to pull the purse strings too tight. Choose a thoroughly recommended bird of whatever breed is preferred, pay a fair living price to the dealer and you will stand a far better chance of getting satisfaction than you would had you wasted your money on one of the cheaper bird so industriously hawked about the country by wandering fakirs. A good St. Andreasberg canary, well cared for, will add fully as much comfort to a home as any article of equal cost that can be chosen to adorn it.

[The above article was handed us for publication. It was published several years ago, and we think its practical worth is such that we reprint it in our columns.—ED.]

When writing our advertisers always mention THE FEATHER.

WHO'S SHELLABERGER?

He's the Wire Fence Man, of Atlanta, Ga., and sells the best and cheapest fencing in existence for all purposes. Catalogue free. Write for it.

THE BUSINESS WORLD

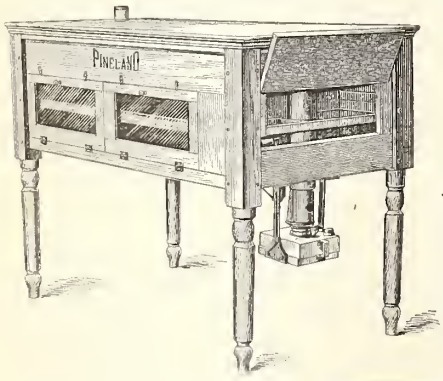
As Viewed From the Columns of The Feather.

THE PINELAND.

One of the most generally-known firms of this country manufacturing incubators and brooders is the Pineland Incubator and Brooder Co., Jamesburg, N. J. This firm has been established for many years and their business has increased each succeeding year many fold. Their machines are elegantly built of first-class material and nothing but the best is used in their construction. Care is taken with every part of the machine, so that nothing is slighted.

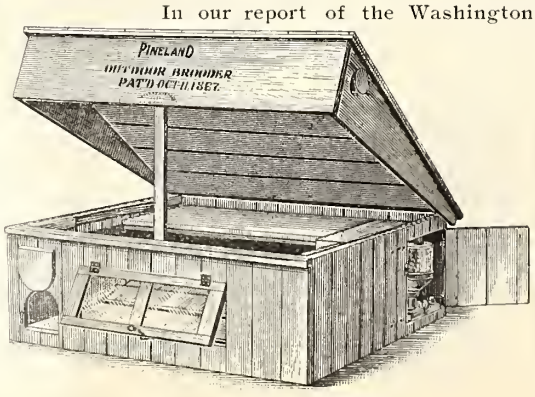
The numerous testimonials of those who have used their machines fully testify their hatching and brooding qualities; this is one thing that has always been accredited to the Pineland machines—the art to hatch and brood chickens. We know of several persons who are running them and they speak in highest praise of the work done by them.

The company guarantees every machine to be built under their own supervision, employing only the best workmen, and using only first-class material in construction. The outer case is made of No. 1 Carolina pine, finished in natural wood. The interior case is constructed of first-class white pine. The one-inch space between the two cases is filled in with air-tight packing, thus making the walls of the machine three inches thick, which will stand a great variation of outside temperature before affecting the temperature of the egg chamber. The doors are of double glass, through which may be seen the thermometer and eggs, without the exposure which opening causes. These machines are not mere shells made of one-half inch stuff, which warp and get out of order, but are made of solid one-inch stuff throughout. They have also made improved changes in the manner of heating, so that their machines are absolutely fireproof. New and modern methods are used in applying heat, ventilation and moisture.



PINELAND INCUBATOR.

We show in illustration their new 200-egg incubator and new outdoor brooder. They are striking representatives of these machines and carefully show the detail work of construction, proportion and artistic effect. We are sure none of our readers who contemplate starting in artificial incubation and brooding will go amiss by using the Pineland machine.



PINELAND OUTDOOR BROODER.

GOOD BRAHMAS.

One of the new advertisers in this issue is Mr. R. H. Betts, Archbold, Ohio, who is advertising his superb Light and Dark Brahmas. Mr. Betts is greatly interested in Brahmas and has perfected his stock in all the points that go to make up a good Brahma. In our April number we shall illustrate some of his birds, both Light and Dark, for the benefit of our readers. See his ad. and write him.

THE EMPIRE STRAIN.

The Empire State Farm has long been noted for its "Empire Strain" of Single Comb Brown Leghorns. This strain of Browns, as advertised elsewhere in this issue, has been in the show rooms of our country from coast to coast. The largest shows are particularly sought after by Mr. Burgott, because he believes the glory is greater when competition is strongest. At the last New York show the Empire Strain Brown Leghorns won 5th cock, 3d and 4th cockerels, 1st and 2d pullets and 3d pen. At the Boston show they won 2d cockerel, 1st pullet and 3d pen. Mr. George H. Burgott is the proprietor of the Empire State Farm and founder of the "Empire Strain" of Browns. His wonderful bird, "Nina II," is well known everywhere as one of the best birds yet produced in Browns; besides her he has others that stand in her company. He also breeds White and Buff Plymouth Rocks.

THE AWARDS.

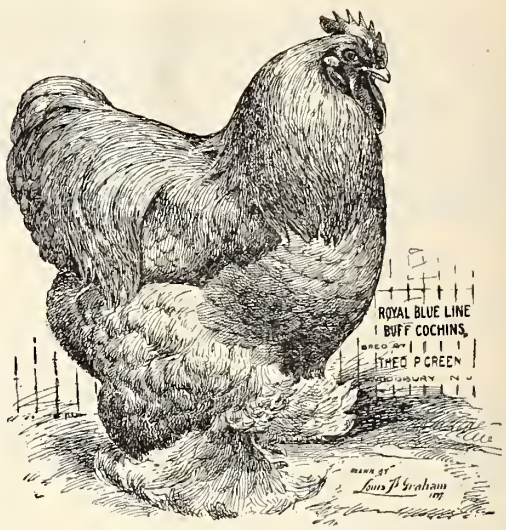
Mr. H. M. Carpenter won on three entries of Cornish Indian Games at the late Washington show, 3d on cock, 2d on cockerel and 3d on pullet.

A REQUEST.

E. M. Christ, of Pine Grove, Pa., requests us to state emphatically that customers are at liberty, after a week's use, to return their drinking fountains and get their money back if not fully satisfactory.

PRIZE WINNERS.

Mrs. Chas. Jones, of Pawpaw, Ill., has been successful with her birds in the show room this season. She has won several valuable specials and silver cups on her Pekin Ducks and Bronze Turkeys at Dixon, Ill., Princeton, Ill., Rockford, Ill., and Chicago, Ill. She won at the latter place on best pair of young ducks and at Dixon she won on largest Bronze Turkey tom. She was also successful on her Buff Cochins, winning on them at Dixon and Chicago.



BUFF COCHIN COCK, "OAKLAND."

"OAKLAND."

In our report of the Washington show, when commenting on the elegant pen of Buff Cochins exhibited by Mr. Theodore P. Green, Woodbury, N. J. we said, "He started right by securing the best stock in the country and being a thorough fancier his success is assured." These statements have been verified. Mr. Green has just purchased the famous bird, "Oakland," the finest Buff Cochin cockerel in America, from the Oakland Farm. The many thousands who attended the New York and Boston shows will remember this great bird. He stood practically alone in his class; he was a marvel to all who saw him. It would be a difficult matter to describe him properly, and all we could say would hardly do him justice. Mr. Green is to be congratulated on his purchase and we feel happy in making this announcement to our readers. In the April or May issue we shall publish an extended illustrated write-up of Mr. Green's "Royal Blue Line" lofts and poultry yards. The following letter to us makes clear the transfer:

TAUNTON, MASS., March 4, 1897.

Editor The Feather:

We have sold to Mr. Theodore P. Green the 1st prize Boston and 1st prize New York Buff Cochin cockerel of 1897. Yours Truly,

OAKLAND FARM.

AN IMMENSE BOOK.

So many good things have been said of the Prairie State incubators and brooders that we are almost at a loss to express ourselves further. One-half of our story is told in the full page ad. in this issue and the other half will be told in the handsome catalogue when you get one. All of the delicate points are carefully brought out in their ad. and it doesn't need a second reading to tell you why they are catering to the trade of those who contemplate buying an incubator or brooder. Their text is "to hatch and raise chicks." Do they do this? Maybe it would be to your interest to find out by telling them that your curiosity will not be satisfied until they favor you with one of their catalogues for 1897. You will, no doubt, be surprised when you do get the catalogue to know that such a book is published. It is large octavo in size and has 148 pages and cover, nicely bound and artistically gotten up. Without hesitation we will say it is the finest catalogue ever published in the interest of the poultry industry in this or any other country. The whole book is illustrated in colors that show things up as nothing else could do. There are countless numbers of



1 2 3 4

Winnings of J. W. Shaw this year at two great shows on his Light Brahmas.

half-tones and other illustrations scattered through the book. Valuable information is given for the asking, and no one should be in doubt as to what they should do after reading this annual for '97. If you can spare two minutes of your valuable time to write them you may ever afterward thank us for the kindness of leading you aright in this matter. Their address is Homer City, Pa.

SHAW'S LIGHT BRAHMAS.

One of the most successful breeders of Light Brahmas in this country is Mr. J. W. Shaw, Brockton, Mass. Mr. Shaw has been breeding Brahmas exclusively for the past seven years and his success in the show room has been phenomenal. He only exhibits where competition is likely to be strong, and has in past years selected as his arena the shows at New York and Boston, besides the New England Light Brahma shows. It would be impossible to speak of all his awards and we shall only mention those which he has won in two shows this year, New York and Boston. The illustration gives a very good idea what these are; the ribbons explain themselves, excepting colors, which, we assure our readers, are mostly blue, red and white—firsts, seconds and specials. The cups are designated (with inscriptions) as follows:

No. 1. Gov. Greenhalge Breeder's Cup, awarded to J. W. Shaw, at Mechanic's Hall, Boston, January 26-30, 1897.

No. 2. Nettleton Cup, awarded to J. W. Shaw, for most first, second and third prizes at Mechanic's Hall, Boston, January 26-30, 1897.

No. 3. The Club Cup, awarded to J. W. Shaw, for best cock, cockerel, two hens and two pullets, at Mechanic's Hall, Boston, January 26-30, 1897.

No. 4. Diana Cup, awarded to J. W. Shaw, for best two cockerels and two pullets, at Madison Square Garden, New York, December 29, 1896-January 2, 1897.

We are sure these winnings should prove conclusively that Mr. Shaw knows how to breed prize-winning Light Brahmas, and we are pleased with the fact that his ad. is before our readers and an opportunity offered for the purchase of stock and eggs from him. We have seen his birds on various occasions and can endorse fully all the good things that may be said of his birds. As we go to press he writes: "I have sold my first prize cockerel at Boston, '97, to be delivered April 1, and after that time I shall sell eggs from two yards only, headed by first cock at Boston, '97, and first cockerel at New York, '97."

Those interested in Light Brahmas should note these facts and govern themselves accordingly.

THE DES MOINES INCUBATOR.

While artificial incubation has in the past been indulged in chiefly for the pleasure it afforded, the success with which a number of extensive poultry raisers have met has awakened many to the fact that, in connection with the novelty, it affords a wide field for a pleasant and profitable business.

The demand for a strictly high-grade incubator is increasing, and we doubt if there is an egg-hatching apparatus attracting more attention by the experienced poultry breeders than the "Successful," manufactured by the Des Moines Incubator Company, who have brought their machines to the present standard by a long term of careful experimenting.

The material used, accurate working regulator, equable temperature, correct humidity, improved egg-turning device, the nursery to receive the chicks after hatching, security against fire, are all of the highest order.

In the recent issue the *Western Garden* editorially mentioned in part has this to say, "No firm in this country has advanced more rapidly than the Des Moines Incubator Company, and we expect to see the 'Successful' the foremost machine."

When comparing the merits of others, address the Des Moines Incubator Company for their catalogue.

MORE IMPORTATIONS.

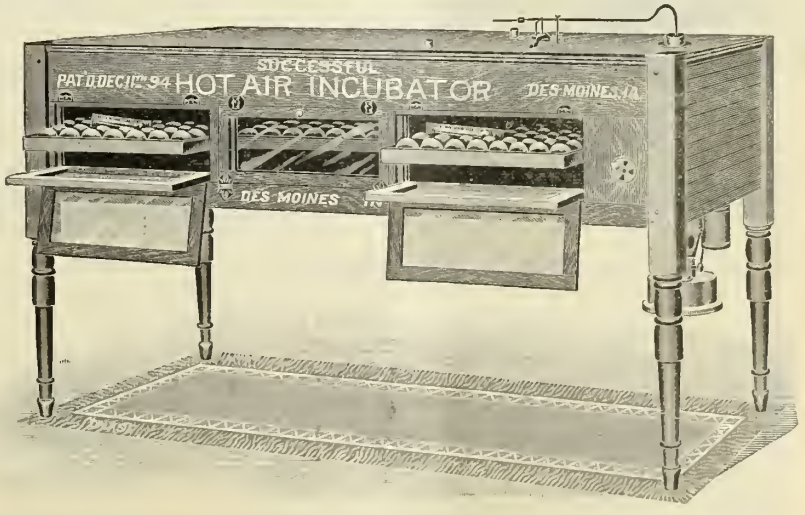
Dr. W. A. Gibson, Jackson, Mich., has been a regular advertiser in THE FEATHER for some time past. He has enlarged his space and is offering a rare opportunity to those desiring choice Magpies and Archangels. The doctor has some of the best birds in the country, and as many imported specimens of high quality are to be found in his loft as in any other one in this country. In a letter just received he writes that he "has just imported some more very fine Magpies from the lofts of J. Shillingford, Oxford, England." Several of his importations are winners at Crystal Palace and Chichester, England. Write him for prices and wants.

THEY ARE THE ORIGINALS.

Mr. Chas. L. Blanton, whose ad. is elsewhere in these columns, writes that he has the original pen of Black Minorcas which won first at Hagerstown last October, instead of stock from that pen as has been stated. He says also that the cock, which heads his breeding yard of Barred Plymouth Rocks, is the one which Ridgely won first on at Reading, Pa., first at Hagerstown, Md., and second at Washington.

THE COLUMBIA.

The Columbia incubator, of which Mr. J. T. Butts, of Washington, D. C., is patentee and manufacturer, is an ingenious contrivance for the artificial hatching of eggs. It is unique among machines of its kind, having points of excellence not duplicated in any other contrivance. It is simple in construction, easily understood, easily managed, self-regulating and with the least possi-



A 300-EGG CAPACITY NEW STYLE "SUCCESSFUL" INCUBATOR.

ble attention, and can be relied upon to hatch. Six quarts of oil will supply heat for three weeks and the lamp will burn four days without trimming or care. A patented egg-tray utilizes a recent discovery and dispenses with the necessity of turning the eggs, thus saving time and trouble. Those interested in artificial hatching should write Mr. Butts, as per his ad. in this issue, for an illustrated circular and price list.

POLLARD'S PEKINS.

One of the interesting new ads. in this issue is that of Pollard's Poultry Farm, South Attleboro, Mass. This farm was formerly located at Pawtucket, R. I., and has a most enviable reputation for prize-winning Pekin Ducks and White Wyandots. At the late Boston show this farm won on Pekin Ducks: Old drakes, 1st, 4th and 5th; old ducks, 1st, 2d and 4th; young drakes, 2d and 3d; young ducks, 2d and 3d; exhibition yards, 1st and 2d. The specials were as follows: Best drake, best duck, best exhibition yard and best exhibit of ten birds. In a subsequent number of THE FEATHER we shall publish an extended write-up of this farm, giving all details and methods employed in raising superlative Pekins and White Wyandots.

A PERFECT INCUBATOR THERMOMETER.

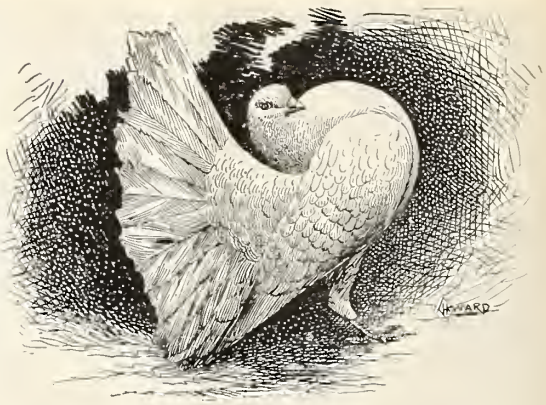
The Watertown Thermometer Co., of Watertown, N. Y., have after many years of careful study designed a thermometer for incubating purposes that justifies their claim of at last a perfect thermometer. It is designed to stand in the tray between two rows of eggs. The tube is mounted at an angle, the upper end being raised two inches higher than the bulb, enabling the operator at all times to read the thermometer without opening the drawer, thereby avoiding the cooling of the egg-chamber and the maintaining of a more even temperature. The tube is prismatic in form, greatly magnifying the column, and this feature, combined with the black background having white figures and graduations, produces a thermometer that is easily read even in a dim light. The tubes are thoroughly seasoned and the scales accurately graduated. You can make no mistake in dealing with this firm, which has had an experience of many years in the manufacture of high-grade thermometers.

STYLISH FANTAILS.

Lovers of Fantail pigeons will be pleased to note the new advertisement of the Standard Fantail Lofts, as seen on page 234 of this issue. These lofts have a wonderfully fine collection of stylish birds in all styles and colors. Every variety of the Fan is to be found here, and some extremely fine birds are among them. The Standard Lofts have purchased the entire lofts of Dr. R. H. Evans, of this city, who has raised pigeons for more than a half century. No better blood is in the country than the doctor had in his lofts, and these added to the Standard's own birds make a very valuable collection of Fans. Good breeding birds are offered from $3.00 a pair up, and exhibition birds may be purchased at moderate figures. If you are interested in the Little Shaker you should write them for an illustrated catalogue and price list. Their address is The Standard Fantail Lofts, Station A, Washington, D. C.

YEARS AND YEARS.

In a pretty little ad. elsewhere in this issue will be seen the portrait of the well-known judge and breeder, Mr. Henry S. Ball, Shrewsbury, Mass. Mr. Ball's name is so well and favorably known that an introduction is unnecessary. Years and years of breeding fine poultry have been his pleasure, and the stock which he sells is only the best. If you will notice his ad. and read the list of birds he breeds, you will undoubtedly agree with us in these assertions. So much could be said of him and his birds that we shall reserve space in some future issue to tell the story of his success.



A STANDARD LOFT FANTAIL.

NEW ALBANY POULTRY YARDS.

Mr. W. E. Kemp, of New Albany, Ind., is a breeder of Black Langshans, Golden Wyandots and Barred Plymouth Rocks. He has been breeding these varieties for the past seven years; the last two years he has been exhibiting with excellent success, winning the "lion's share" of honors. His Wyandots have never been vanquished in the show room. The first cock at Louisville this year was sold by



WE HAVE A LOT OF READY MONEY

AND WITH IT GUARANTEE OUR CLAIMS FOR THE H-O CO.'S POULTRY FEED

WE SAY:

That it is exclusively a grain feed, and contains no tonics nor unnatural stimulants.

That it will insure the best results in egg producing.

That it furnishes bone, and promotes growth in young fowl.

That it will shorten the moulting period.

It's not what we say, however, but what the H-O Poultry Feed does, that tells the story; so we receipt your bill without any payment, if our feeds do not produce the results we claim. Let us send you a sample sack of 100 lbs. H-O Poultry Feed, price $1.50, delivered at your station.

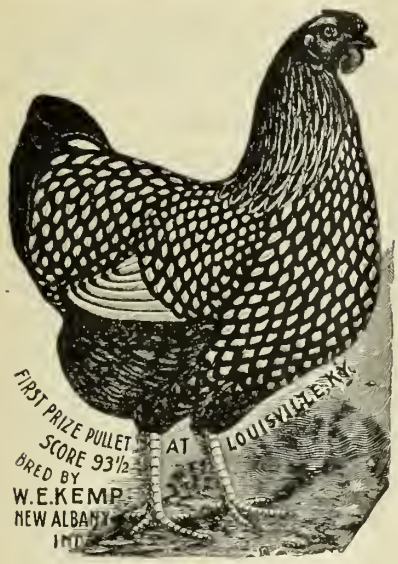
H-O POULTRY FEED MEANS More Eggs—Quicker Moulting

H-O DAIRY FEED PRODUCES More Milk—More Butter

H-O HORSE FEED INSURES More Work—Better Condition

Territories Assigned Energetic Feed Dealers

The H-O (Hornby's Oatmeal) Co., New York City



THE BEAUTY BREED.

him just before the show. Mr. Kemp writes that of all the birds sold by him in the last seven years he has had only one complaint. This is very gratifying to him and speaks well of his stock and method of doing business. This year he is breeding three pens of Black Langshans, two of Golden Wyandots and two of Barred Plymouth Rocks. See his ad. and write him for prices and testimonials, he may have just what you want.

CONSIDERS THEM THE BEST.

Mr. O. J. Putnam, Leominster, Mass., is well known as a breeder of Barred Plymouth Rocks of the finest quality. Mr. Putnam has been in the poultry business for twenty years. He began by breeding White Leghorns, afterward adding the Rose-comb varieties, White and Brown, and Barred Plymouth Rocks. He then discarded the Leghorns and substituted White Plymouth Rocks and Silver Wyandots. After breeding these varieties for several years, he sold out all but the Barred Plymouth Rocks, and for the last ten years has confined his attention to this variety exclusively. He considers the Barred Rock the best all-around fowl, though among the hardest to breed true to feather. His fine place of eight acres is in Leominster, a wide-awake town of 10,00 inhabitants, where, besides his fancy poultry, he makes a specialty of fine small fruits. He has taken the Golden Rule as his motto and customers may depend upon him implicitly. He sells only his own stock and has no trouble in disposing of all he can raise. Mr. Putnam is president of the N. M. Poultry and Pet Stock Association, on the executive committee of the N. E. Barred and White Plymouth Rock Club and a member of the Decimal Score Card Association.

THEIR WINNINGS.

The Messrs. Brace & Walling, Victor, N. Y., won on their superb Single Comb Brown Leghorns, at Rochester, N. Y., 1st and 3d on cocks; 1st, 2d, 3d, 4th and 5th on cockerels; 1st, 2d, 3d, 4th and 5th on hens; 2d, 3d, 4th and 5th on pullets; 1st, 2d, 3d, 4th and 5th on pens; gold medal for best exhibit; sweepstake for best male, and 1st on collection.

FROM OHIO.

Mr. G. E. Halteman, Tiffin, Ohio, is a breeder of Golden and Partridge Wyandots. He is an annual winner at the shows and always has good birds for sale. He won at Mansfield, Ohio, December 30, '96-January 2, '97, 1st on cockerel, 1st, 2d and 3d on pullets, on Golden Wyandots, and on Partridge Wyandots he won 1st and 2d on cockerels, 1st and 2d on pullets; Bridge, judge. At Carey, Ohio, Bicknell, judge, he won 1st on hen in Golden; Partridge, 1st and 2d cockerels, 1st and 2d pullets. At the sixth annual exhibition held at Tiffin, Ohio, he made fifteen entries and won twelve prizes, his Golden Wyandot cock scoring 94 points; his lowest scoring pullet was 92, by McClave.

THE AMERICAN BLACK MINORCA CLUB.

The Black Minorca is rapidly forging to the front. Persons are beginning to realize what a handsome and useful fowl it is. A few years back they were hardly recognized in the show reports, but they have won their admirers on their merits. We want breeders from the North, East, South and West, so that we can offer a cup at one large show in each part of the United States. If we can't offer four $100.00 cups we will offer four $50.00 cups, so as to awaken an interest in the breed in all parts of the country. The initiation fee is $1.00, yearly dues $1.00. Send in your name and initiation fee at once, or, if you wish copies of the by-laws, we will gladly mail them to you.

JOHN A. GAMEWELL, Sec'y-Treas.
Hackensack, N. J.

S. C. WHITE LEGHORNS....

Eggs 50 cents. Questions promptly answered.

A. W. GLUESENKAMP & SON, Batesville, Ind.

THE STANDARD POULTRY GRIT OF AMERICA.

That **MICA CRYSTAL GRIT** is an established fact goes without saying. Product for the season of 1896 and 1897 is the best ever made. We are prepared to fill orders both great and small. Correspondence solicited. For sale by EDWARD S. SCHMID, 712 Twelfth Street N. W., Washington, D. C., or

MICA CRYSTAL CO., CONCORD, N. H.



Ridgely's Barred Rocks..

HAVE WON 1896 AND 1897:

At Mt. Gretna, Pa.—1st, 2d and 4th on pullets.
Baltimore County Fair—1st and 2d pair fowls, 1st and 2d pair chicks, 1st pen fowls.
York, Pa.—1st pair fowls, 1st pair chicks and 1st pen chicks.
Reading, Pa.—1st cock, 1st hen, 4th cockerel, 4th and 5th pullets, 4th pen.
Washington, D. C.—2d cock, 3d and 4th hens, 3d cockerel, 1st pullet and 2d pen.

We have two nice light pens mated to produce EXHIBITION pullets, also two dark pens mated to produce EXHIBITION cockerels.
Eggs, $3 per 13. Address,

Jos. Phipps, Mgr., Towson, Md.

1897 **Shaw's Light Brahmas** 1897

WON ALL THE

Silver Cups and Twenty-two Regular and Special Prizes at Madison Square Garden, New York, and Mechanics' Hall, Boston, the two greatest shows in the world, including Diana Cup for best two cockerels and two pullets; "The Gov. Greenhalge Breeders' Cup," for best display; the Club Cup, for best cock, cockerels two hens, and two pullets, and the Nettleton Cup for most first, second, and third prizes. Also, 1st and two 4tlfs on cocks; 4th on hen; 1st, 2d, and 5th on cockerels; 1st, two 2ds, and 3d on pullets, and special for best cockerel and four best pullets. A grand total of 192 prizes since 1890, with only thirteen exhibits, in the strongest competition, a record unequaled by any Light Brahma breeder in the world.

Eggs -- From Three Yards of Prize-Winners -- Eggs

I Shall breed only three yards of my prize-winning females, headed by:
1st Prize Cockerel, at New York, 1897.
1st Prize Cock, at Boston, 1897.
1st Prize Cockerel, at Boston, 1897.
Eggs from the Above Yards, $4 Per Sitting; 2 Sittings, $7; 3 Sittings, $10.

J. W. SHAW, Brockton, Mass.



S. C. Brown and Buff Leghorns

EGGS $3.00 per 13. $5.00 per 26. **NONE BETTER**

Clean sweep at Rochester January 11-18, '97. Butterfield judge.

BRACE & WALLING, Victor, N. Y., U. S. A.

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BUFF PLYMOUTH ROCKS EXCLUSIVELY Clean sweeps at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

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EGGS AND STOCK from Barred, White, and Buff P. Rocks, Indian Games, and Buff Leghorns—buff to the skin. All yards headed with winners at Mt. Gretna, West Chester, Reading, Pa., Hagertown, Md., and Washington, D. C., in 1896 and 1897. Eggs, $2 per 15. GEO. SCHRADE, Sykesville, Md.

MANOR GLEN POULTRY YARDS—Barred P. Rocks exclusively. Eggs from very fancy barred-to-the-skin matings, $2.00 per 13. Can spare a few choice breeding cockerels from $2.00 to $5.00 each. J. W. McABEE, Taylor, Md.

I HAVE FOR SALE Buff Plymouth Rock pullets and cockerels from my prize-winning strain, winners at the Great Rochester Show, 1st on pullet, 2d on cockerel, 2d on cock. Eggs for sale, $3.00 a sitting. W. C. DENNY, 324 South Avenue, Rochester, N. Y.

MRS. ESTELLE CRAWFORD, Dansville, N. Y., breeder of choice White Plymouth Rocks and Black Minorcas, winners at Hamburg, Binghamton and two Rochester Shows. On six entries at Binghamton won three 1sts and two 2ds; At Rochester, on five entries won 1st, 2d and 4th. Stock for sale scoring 96, 94 to 92. Eggs for sale, $2.00 a sitting.

JAS. S. WARNE, Washington, N. J.—My Buff P. Rocks are finer this season than ever, scoring from 89½ to 93½, fine surface color, grand under-color, low combs, large size, Rock shape; headed with 92½ and 93 point cockerels. Breeding cockerels for sale. Eggs, $3.00 per 15; $5.00 per 30.

BARRED AND BUFF P. ROCKS, Light and Dark Brahma and Black Minorca eggs, $1.00 per sitting. Eggs from crosses, 50c per sitting. Trio of Dark Brahmas, $5.00. Cash with order. M. E. COOKE, Sandwich, Mass.

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BUFF and Barred Plymouth Rock eggs—I will sell a limited number from my prize pens at $2.00 per 13; also White and Buff Cochin eggs, $2.00 per 15. Stock for sale. R. P. THOMPSON, Patterson, N. Y.

WHITE ROCKS (Hawkins and Empire strains), Barred Rocks (Hawkins and Bradley Bros. strains). Eggs, $1.00 per 15; $5.00 per 100. Also improved Chester White Pigs and Scotch Collie Pups. Write your wants. Circulars free. H. M. LYON & SONS, Spring Hill, Pa.

WHITE, BUFF AND BARRED P. ROCKS, White and Cornish Indian Games, S. C. Brown and Buff Leghorns and Black Langshans. Fowls and eggs at living prices. Illustrated circular free. G. W. WAYLAND, Rochelle, Va.

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BLUE BARRED PLYMOUTH ROCKS E. B. Thompson strain), large White Wyandots (Knapp and Hunter strains). My fowls have free range, thus insuring fertility. Eggs, $1.00 per 13. Also, one trio fine Light Brahmas. Write to M. B. HICKSON, Lynchburg, Va.

CLOVER POULTRY FARM, L. F. Giering, Bethlehem, Pa., breeder of thoroughbred B. P. Rocks, S. C. B. Leghorns, Golden Sebright Bantams. Birds have unlimited range of a large farm. No eggs shipped over three days old. $1.00 per 13. Circular free.

W. C. HART, Rural Poultry Farm, Walden, N. Y.—Barred Plymouth Rocks of large size and fine shape; eggs, $1.50. White Plymouth Rocks (Frost strain), pure white plumage and attractive appearance; eggs, $2.00. Incubator eggs at low rates. Birds for sale. 1897 catalogue, illustrated, beautiful cover; a peep at the "Wide, wide world," mailed for stamp only.

BLUE BARRED PLYMOUTH ROCKS (Hawkins, Thompson and Bradley Bros. strains), Buff Leghorns (Arnold strain), White Leghorns (Knapp strain); all pure bred and best quality. Eggs, $1.00 per 13; $2.00 per 26. DR. ANDREW BURT, Tamaqua, Schuylkill Co., Pa.

FINE POULTRY my pride; its care my recreation. No time to exhibit, but have the stock that produces winners. White Plymouth Rocks, Black Breasted Red Games. None better; few as good. Satisfaction guaranteed. Eggs, $1.50 per 13; $2.50 per 26. F. M. KELLY, Parsons, Tucker Co., W. Va.

WHITE PLYMOUTH ROCKS—Cocks, hens, cockerels and pullets for sale at all times. Eggs, $2.00 per 13. LOUIS C. ROGERS, 200 Adams St., Rochester, N. Y.

TWENTY yearling hens, five male birds (Bradley Bros. and Thompson strains); cocks, $10.00 and $12.00; hens, $8.00. Also, ten Brown Leghorns. Write for printed list. H. T. KLUSMEYER, JR., Easton, Pa.

MILLER'S White and Barred Rocks are sure winners. Eggs, $2.00 per 13. One White Rock cockerel for sale, price $5.00; score 91. Address B. D. MILLER, Box 52, Providence R. I., till April 15, then Peterboro, Madison Co., N. Y.

BARRED Plymouth Rock and Buff Cochin eggs from the best strains for sale at $1.00 per sitting. One yearling Barred Plymouth Rock cock for sale very cheap. Can also furnish Pit Game eggs. J. C. ADAMS & BRO., 66 Cabell St., Lynchburg, Va.

DR. JOHN A. MYERS, Morgantown, W. Va., offers a few choice sittings from prize winners. Same as we use in the Experiment Station. Wyandots, Leghorns, Plymouth Rocks, Indian Games, Silver Spangled Hamburgs, Golden Sebright Bantams. Sitting, $1.50. Correspondence invited.

W. P. ROCKS—Winners at Malden, Worcester, Ware, Boston, etc., scoring to 96½ points and great layers. Shall sell eggs from two best pens only, at $1.50 per sitting. Send for circular. H. A. NOURSE, Box 1101, Barre, Mass.

BUFF PLYMOUTH ROCKS EXCLUSIVELY. Eggs for hatching from selected matings, $1.00 and $2.00 per 13. Cockerels and pullets for sale. WM. C. TOMSON, Milford, N. J. Write me, mentioning The Feather.

A. S. SWARTLEY, Line Lexington, Pa.—Eggs for hatching of first-class Buff P. Rocks and White African Guineas. Stock for sale. Eggs, $1.00 per 15; $2.00 per 40; $3.00 per 60. Also the leading varieties of fancy pigeons at hard-time prices. Circulars free.

LEGHORNS

EGGS from prize S. C. B. Leghorns scoring from 91 to 94 at $1.00 per 13. Thirteen prizes on seventeen entries in '96; ten prizes on eleven entries in '97. Two eggs extra if you mention The Feather. W. B. GERMAN, Specialist, Dansville, N. Y.

WAYNE POULTRY YARDS, Coatesville, Chester Co., Pa., J. H. Scherer, Prop.—S. C. B. Leghorns exclusively. Prize winners wherever shown. Stock and eggs for sale at all times. Write for prices. Mention The Feather when writing. Also Gordon's Poultry Food for sale.

LEGHORNS A SPECIALTY—White, Brown, Black, Dominique and Silver Duckwings Winners at the leading shows. At the recent Wilkes-Barre Show I had 16 entries, won 16 prizes; 12 1sts, 2 2ds and 2 3ds. Some fine stock for sale. Eggs in season. Write for prices. GOOD WILL POULTRY YARDS, 413 North 10th St., Allentown, Pa. Wm. H. Heimbach & Co.

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REMINGTON HILL, SENECA FALLS, N. Y. S. C. Brown Leghorns only. Winners at Rochester, Binghamton, Troy, Northampton, Canastota, and Meridian, scoring 92 to 95 points. A few cockerels for sale. Eggs from 4 grand yards, $1.50 per 13 straight.

OUR SPECIALTY, White and Buff Leghorns; also Buff and W. P. Rocks, Lt. Brahmas, Blue Andalusians, G. P. Hamburgs, Red Caps. Eggs, $1.50 per 13. B. Leghorns, Black Minorcas, S. S. Hamburgs, White and Silver Wyandots, $1 per 13. Many of them winners in good company. HAMME BROS., Smith's Station, York Co., Pa.

S. C. BROWN LEGHORNS and White P. Rocks. Leghorns of rich color, pure white lobes, fine combs and good Leghorn shape. If you want eggs from prize winners of high scores order from us. Eggs, $2.00 per 15; $3.50 per 30. SAM & GEO. McCRARY, Maryland Avenue, Bristol, Tennessee.

FINE breeding cockerels from $1.50 to $2.00 each; White Wyandots, Black Langshans, Barred and White Plymouth Rocks, Light Brahmas, Red Caps, S. C. Brown and White Leghorns. BRIGHT'S STRAIN, also a few nice pullets at $1.25 to $2.00 each. This stock has won over 50 First, Second, Third, and also special prizes at Malden this year. Eggs for hatching from the above strains at reasonable prices. Either single sittings or by the 100 lots. Send for price list. MAPLEWOOD POULTRY YARDS, Malden, Mass.

EGGS FOR HATCHING from high grade R. C White, R. C. Brown, S. C. Brown, Buff Leghorns, Black Minorcas, and B. P. Rocks, 13 Eggs, $1.25; 26 Eggs, $2. Send for circular free. OTTAQUECHEE POULTRY YARDS, North Hartland, Vermont.

BUFF LEGHORNS, Black Minorcas, Silver and White Wyandots. Prize winners at Hagerstown, Carlisle, and Washington. A few very good birds for sale. Eggs, $2 per sitting. CHAS. FELDMAN, Hagerstown, Md.

R. C. B. LEGHORNS, "Shoemaker's strain from 111." as fine as anyone can find. Eggs for sale, $1 a sitting; also White Minorcas. Thomas A. Duff's strain, Canada, up to the standard, $2 a sitting. Mention The Feather. Mrs. D. W. WITTER, Newmanstown, Pa.

GEO. E. LEE, Highgate, Ont., Canada, breeder of the grand old "Royal Strain" of C. S. White Leghorns; large size, large, smooth earlobes, red faces, correct comb, absolutely white plumage, fine station. Choice stock for sale. Eggs, $1.50 per 13.

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BUFF Leghorn stock and eggs from birds that are Buff and not a bird scoring less than 92, taking prizes every show entered; 103 prizes in two years—Amesbury, Stoneham, Malden, Boston, Peabody, Gloucester, Essex County Fair, Mass., and Manchester, N. H. Eggs, $1.50, 13; $4.00, 50; $8.00, 100. FRANK WOODBURY, 2d, Beverly, Mass.

BUFF LEGHORNS from the best breeding strain in the land. Prices and birds to suit the times. Eggs, $1.50 per sitting. D. L. PRISCH, Middleport, N. Y.

BUFF LEGHORNS—One of the finest flocks in America. Winners for six years, also Chicago and Detroit, 1897. Send for circular, free, stamp accepted. GEO. S. BARNES, Battle Creek, Mich.

HOWARD A. PINNEY, Sheffield, Warren Co., Pa., breeder of Single Comb Brown Leghorns exclusively. Have bred this variety for the past eight years. Birds are of good size and station, have farm range and are not inbred. Eggs, $1.00 per sitting. Adams Express. Mention The Feather.

AUBURNDALE POULTRY YARDS, N. Y.—Breeders bred by New York winners. Like begets like. Buff and Single Comb Brown Leghorns, White Wyandots and Barred Plymouth Rocks. Stock for sale. Eggs, $2.00 per 15. Satisfaction guaranteed. A. J. LUTESINGER, Auburn, N. Y.

EGGS from S. C. and R. C. Brown and White Leghorns, Brown, Red and B. B. R. Games that score from 92 to 94½. Eggs, $1.00 per 13. Stock for sale. Write for prices. Twelve years a breeder. LAUREL SNEDEKER, Roscoe, O.

BUFF LEGHORNS exclusively—buff to skin—Before placing order for eggs send for photo. from life showing true Leghorn shape. BERT SMITH, Box 438, Port Byron, N. Y. Mention The Feather.

S. C. Brown Leghorns only—Winners at Rochester, N. Y., three successive years. 1897, seven premiums on five entries. (Forsyth strain.) Three grand yards. Good size, color, shape. Stock for sale; satisfaction guaranteed. Eggs, $1.50 per 15; $2.50 per 30. FRANK G. RICE, Dansville, N. Y.

FIFTY cents per dozen or $3.50 per 100, S. C. W. Leghorn eggs. 500 birds. Lay all the year. Circular free. S. J. BISHOP, Box 38, Cheshire, Conn.

BRAHMAS

LIGHT BRAHMAS. STEPHEN SPENCER, Morris Plains, N. J. Originator and breeder of the famous Duke of Morris Strain of Light Brahmas. Eggs $2.00 and $3.00 per sitting. Buff Pekin Bantam eggs, $3.00 per sitting. Buff Cochin eggs, $4.00 per sitting. Light Brahma cockerels, $2.00 to $5.00. When writing for wants mention The Feather.

L. H. MORSE, Newark, New York, originator and breeder of the famous Imperial strain of Light Brahmas. Immense in size, typical in shape, grand in color, and profuse middle-toe feathering. Exhibition and breeding birds for sale at all times. Eggs, $3.00 per 13. Satisfaction guaranteed or money refunded. Correspondence solicited.

LIGHT AND DARK BRAHMAS. W. Q. Minturn, Warwick, Orange Co., N. Y. At the great Orange County Fair—Pen Light Brahmas, second; pen chicks, first; hen, second; pullet, second; cockerel, second; pen Dark Brahma fowls, first; pen chicks, first; hen, third; in competition with our best breeders.

D. P. SHOVE, Box 666, Fall River, Mass.—Breeder of Light Brahmas, Barred P. Rocks, Buff Wyandots, Houdans, S. C. W. Leghorns, Buff P. Bantams and Pekin Ducks. A few good birds for sale. Eggs, $2.00 for 13 or $5.00 for 30.

I HAVE FOR SALE LIGHT BRAHMA cockerels, hens, pullets, right markings, at reasonable prices. Also, S. C. Brown Leghorns, 1st prize winners at Schoharie and Rochester Fanciers' Club. Show eggs for sale in season, $2.00 per 15. LEONARD SWEET, Amsterdam, N. Y.

MY TWENTY-SEVENTH season breeding Light Brahmas. I breed the "Belmont" strain and no better birds stand on legs than are in my yards. Every bird a close descendant of Boston prize winners. Before ordering eggs send for my circular. JOHN RUMBOLD, Custom House, Baltimore, Md.

PARAGON POULTRY YARDS breed choice Light Brahmas and Buff Cochins from prize winning stock. Eggs for sale in season. Circular free. Mention The Feather. A. J. ZERCHER, Conestoga, Pa.

MAMMOTH LIGHT BRAHMAS, Buff and Partridge Cochins, W. Wyandots, S. S. Hamburgs, C. I. Games (Sharp's strain, B. P. Rocks (Hawkins' and Sid Conger's strains). Quality is everything. Satisfaction guaranteed. Eggs for hatching. Send for circular—it's free. F. L. ACKERMAN, Bridgman, Berrien Co., Mich.

EGGS for sitting booked now from the best strains of Light Brahmas, White Wyandots, and Barred Plymouth Rocks, $2 per 13. Stock for sale. TWIN ASH POULTRY YARDS, Manchester, Conn., BALCH & BROWN, Props.

MY BUFF BRAHMAS have never failed to take first prize wherever exhibited. Buff Leghorns at Bristol, Conn., took 1st Cockerel; 1st and 2d Pullet; also special for best pen. Houdans, first-prize stock. Eggs, best pens, $2. Fertility guaranteed. GEO. W. DAINS, East Litchfield, Conn.

CHOICE up-to-date stock of Light Brahmas, Single Comb Brown Leghorns and Barred Plymouth Rocks. Eggs, $1.00 per 13. Satisfaction guaranteed. If you wish high quality and fair treatment, address J. M. PORTER, Morristown, N. J.

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SINGLE EXPRESS RATES—Games, Heathwoods, Irish, B. B. Reds, Tornadoes, Irish and Mexican Grays and Cornish Indians. Free illustrated circular. Starvation prices. C. D. SMITH, Fort Plain, N. Y.

CORNISH INDIAN GAMES from River-View Poultry Yards are prize winners. Nothing but the best. Stock and eggs for sale. Also, breed Black Minorcas, Light Brahmas and Barred Plymouth Rocks as good as the best. Write what you want. H. M. CARPENTER, Proprietor, Sing Sing, N. Y.

EGGS from 2 yards of Indian Games, one headed by a 10-pound cock, first at Hagerstown, Md., the other by a cockerel first and special at Reading, Pa., mated to hens and pullets that were winners at Mt. Gretna, West Chester, and Reading, Pa., Hagerstown, Md., and Washington, D. C., in 1896 and 1897. Eggs, $2 per 15. GEO. SCHRADE, Sykesville, Md.

WADE H. D. WARFIELD, Sykesville, Md., breeder of Gold-leaf Strain of Black Breasted Red Games, pre-eminently the handsomest and highest scoring bird bred. With six entries at Washington won 1st and 2d on cockerels, 1st and 2d on hens, 1st and 4th on pullets and three special premiums. Also, Silver Duckwings, Red Pyles and White Euglish Games. Write for wants. Circular free.

EGGS from C. I. Games scoring 91½ to 92½ by I. K. F. Eleven pullets such as these mated with cock "Subert" scored 94 as a cockerel by Russell. $3 per 13, $5 per 26. Yard two, pullets not scored, but mated to cockerels scoring 91½ and 94, $2.50 per 13; $4 per 26. Orders booked now. My birds proper are the James Frayn strain, England. A year's subscription to The Feather with every order. C. A. LINES, Charles City, Ia.

TRY our West Virginia eggs. The choicest of stock. Plymouth Rocks, Silver Spangled Hamburgs, Indian Games, Brahmas, Leghorns, Black Minorcas, Blue Andalusians, Silkies, Wyandots, Black Langshans. Birds skillfully mated. Sitting, $1.50. Correspondence invited. JOHN A. MYERS, Morgantown, W. Va.

J. OLIVER & SON, Charlotteville, N. Y.—Heathwood Games a specialty. We breed for pit purposes; they are vicious fighters and will stand till dead. Rouen Duck eggs in season, $1.00 per 13.

WYANDOTS

WHITE WYANDOTS, Golden Wyandots, White Plymouth Rocks, Partridge Cochins, Buff Cochins, Buff Leghorns, S. C. Brown Leghorns, S. C. White Leghorns, R. C. White Leghorns, Pekin Ducks. Stock for sale. Circular free. Show record unsurpassed. Eggs, $1.50 per 13; $8.00 per 100. P. L. DWIGHT, De Ruyter, N. Y.

S. L. WYANDOTTES—Thoroughbreds only. Fine healthy stock, having free range on 100 acres. Cockerels, $1.00, $2.00 and $3.00; pullets, $1.00 and $2.00. Eggs in season, $1.00 to $2.00 per sitting, according to matings. J. M. HAMBLIN, Highlawn Farm, Vienna, Fairfax Co., Va.

NIXON'S White Wyandots are winners at the largest and best shows in America—Madison Square Garden, Trenton, etc. Eggs from selected pens that will produce winners, $2.00 per 13; $3.50 per 26; $5.00 per 40. Illustrated circular free. CHAS. NIXON, Box C, Washington, New Jersey.

WHITE WYANDOTS (brown egg strain)—I have for sale some splendid cocks and cockerels at reasonable prices. I guarantee all stock to be as represented and will refund the money and pay express charges one way if you are not satisfied. W. B. EASTMAN, St. Johnsbury, Vt.

$1, $1.50 and $2 each, cockerels, pullets and yearlings, Silver and White Wyandots, Indian Games, Buff Cochins, Buff, Brown and R. C. Leghorns and R. C. Black Minorcas. 15 fine Silver Wyandots from Mattison's eggs. F. H. DAVEY, Minisink, N. Y.

WHITE WYANDOT EGGS from pens headed by our prize-winners, $3 per 13, $5 per 26, $10 per 65, $15 per 100. Our strain has won more 1st premiums at leading shows than any in the United States or Canada. JOHN B. FELT, Somerville, Mass.

G. E. HALTEMAN, Tiffin, Ohio, offers "eggs" from his prize winners, "Golden Wyandots," grand in color and symmetry; winning 21 prizes at three shows this Winter. Cock, 94; pullets, 94, 93½, 93½, 93, 93, 92½ and 92. Bridge, Bicknell and McClave, judges. Also, Partridge Wyandot eggs. Stock for sale. Circular free.

WHITE AND SILVER WYANDOTS from the best strains in the East, such as Felt's and Mattison's. Eggs, $1.50. Stock in season. Satisfaction guaranteed. R. G. WILLIAMS, Barre, Mass.

GOLDEN WYANDOTS that win. At Owensboro, Dec. 29 to Jan. 2, 1st Cock, 91; 1st and 2d Hen, 92—90½; 1st and 2d Pullet, 93¼, 91¾; 1st Breeding pen; special for highest scoring Wyandots. At Louisville, Ky., (State Poultry Show), 2d and 3d Cock, 91, 88; 1st, 2d, 3d Hen, 93½, 93, 90½; 1st, 2d, 3d Pullet, 93½, 93, 92. Also breeder of Black Langshans and B. P. Rocks. Eggs, $2.50 per 13; Pen No. 1 B. Langshans and Golden Wyandots, $2.50 per 13. W. E. KEMP, New Albany, Ind.

WYANDOTS—Buff, White, Laced, Golden Winners at Detroit, Chicago, Lansing, Grand Rapids and Charlotte. Eggs and stock for sale. Circulars free. Members B. C. Poultry Club. W. & W. R. OLIVER, Battle Creek, Mich. Mention The Feather.

WHITE WYANDOT EGGS from large, healthy white birds; nearly every bird in yards has won prizes. Write for awards won at West Chester, Trenton, Elkton, Hagerstown and Mt. Gretna. Why pay $3.00 to $5.00 when you can get just as good at $1.00 per 13 from FRANK S. PIERCE, West Chester, Pa.?

I BREED Buff Wyandots exclusively—My stock is fine. I guarantee entire satisfaction. Eggs, $2.00 per 15; $3.50 per 30. Special inducements for larger numbers. I insure fair hatch. H. D. PRICE, Washington, Warren Co., N. J.

BUFF WYANDOT eggs for hatching from two fine yards, $2.00 per 13 straight. KING & WHITING, Plainville, Mass.

EGGS from choice matings of Silver Wyandots, $1.50 per sitting. At Tiffin (Ohio) Show, 1897 won 1st, 2d and 3d on hens, 2d and 3d on cocks Barred Rock, Houdan and Indian Game eggs, $1.00. Satisfaction guaranteed. D. M. McQUEEN, Bowerston, Ohio.

DR. JOHN A. MYERS, Morgantown, W. Va., offers a few choice sittings from prize winners. Same as we use in the Experiment Station. Wyandots, Leghorns, Plymouth Rocks, Indian Games, Silver Spangled Hamburgs, Golden Sebright Bantams. Sitting, $1.50. Correspondence invited.

S. L. WYANDOTS—For the past ten years I have bred S. L. Wyandots exclusively. Do not sell best hens, but can furnish their eggs at $1.50 per 13; incubator eggs from thoroughbred free-range stock, $3.00 per 100. A few cockerels for sale. J. RILEY LEWIS, Lewis, Ohio.

COCHINS

H. A. LOGUE, Hagerstown, Md.—Buff Cochins exclusively. Winners at Mt. Gretna, Pa., Carlisle, Pa., and Hagerstown, Md., 1895 and 1896. At Hagerstown, 1896, with 3 entries, won 1st on pullet, 2d on cock and 2d on pen. Eggs, $2 for 13.

BLUE RIBBON WINNERS at New York, 1st and 4th Cock, 1st and 3d Hen, 1st Pullet, 1st White Pen, 1st Black Pen, and my past record at Washington, New York, and other places on my Black, White and Buff Cochins. Eggs from my prize-winners, $2 per 13. Stock for sale. GEO. E. WRIGHT, Patterson, N. Y.

FRANK E. SILLOWAY, Newburyport, Mass. Breeder of choice Partridge Cochins and Light Brahmas. 50 cockerels for sale from my prize winners at Malden and Amesbury; judges, N. A. Knapp and I. K. Felch.

R. P. THOMPSON, Patterson, N. Y., breeder of prize White, Buff and Black Cochins. Eggs, $2.00 per 15, $5.00 for three sittings, from my New York and Washington prize pens. 20 White and Buff cockerels, $3.00 each; 2 for $5.00. 10 yearling cocks, $3.00 to $5.00 each.

MINORCAS

WHITE MINORCAS—At Elmira Show, January, 1897, won 1st on pen, 1st and 2d on cockerels, 1st on pullet and all specials. Fine, large birds for sale. Eggs, $2.00 a setting. MRS. JAMES OSBORNE, Box O, Fabius, N. Y.

WM. SCHMIDT, breeder of high-scoring Black Minorcas, 200 S. Meridian Street, Indianapolis, Ind. Eggs in season.

IT AIN'T NO LIE—My Black Minorcas and Barred P. Rocks are as fine as you can find in the South. If eggs bought of me don't prove it they don't cost you a cent. H. B. LANSDEN, R. R. and Express Agent, New Market, Ala.

ROSE COMB MINORCAS, Buff Rocks, Buff Wyandots, Rose Comb White Leghorns, finest strains in America; Eggs for hatching lowest price for quality; fertile, and safe arrival guaranteed; fifteen years experience; correspondence invited. Bear in mind, Fancy Stock, but not fancy prices. J. M. MAXWELL, Pattenburg, New Jersey.

BLACK MINORCAS of the Highest Type of excellence. Stock which has won high honors at New York, Binghamton, and at Rochester Jan.. 1897. Gold watch special, first on pen, and twelve regular premiums. Eggs, $3, 13; $5. 26. C. J. ANDRUSS, Canandaigua, N. Y.

BLACK MINORCAS—Eggs from fine imported stock, $2.00 per 13. Buff Leghorns, $1.50 per 15; $4.00 per 45. Let me book your orders now and I will agree to satisfy you. I ship nothing but freshly-laid eggs. GEORGE L. ROCKWELL, Ridgefield, Conn.

ROSE COMB BLACK MINORCAS—Choice cockerels and pullets, $1.50 to $2.00 each. Eggs, $1.50 per 13; $3.00 per 30. B. P. Rock eggs, $1.00 per 13; $2.00 per 30. No circulars. A. B. HOLLINGSWORTH, Wilna, Md.

DOLLAR EGGS—Black Minorcas, sired by son of Black Giant (Northup's); Barred Plymouth Rocks (Thompson's strain). Eggs from these birds only $1.00 per 13. Try me; I will treat you right. Stock standard bred and mated for best results. No stock for sale. JOHN E. WEST, Columbia, Pa.

BLACK MINORCA winners at New York, Elmira, Binghamton and other shows. Eggs, $3.00 for 13; $5.00 for 26. Send for circular. SANTEE & CUNNINGHAM, Box 400, Chenango Bridge, N. Y.

A. W. STIEFEL'S Black Minorcas won 1st cockerel, cock and pen, 2d hen, and 1st, 2d and 4th pullets at the Des Moines Valley Poultry Show. Choice stock for sale. Eggs from prize matings, $3.00 per 13. Burlington, Ia.

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AMERICA'S best in White Crested Black, Buff Laced and Plain Golden Polish. Great sweep at Hagerstown, New York and Washington. First prize winners at Madison Square Garden, N. Y., head my yards. Fowls and eggs in season. Send for list of premiums won. J. W. BRUCKART, Lititz, Pa.

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MRS. J. J. HAYSLIP, Bartlett, Tex., breeder of high-class prize-winning Black Langshans. Eggs in season, $2.00 per 13. Price of fowls, a matter of correspondence. My birds are from the well-known breeders, Wm. M. Hughes, Albert Lemen and Mrs. M. A. Smith, mated for the best results by H. B. Savage.

SILVER HILL POULTRY FARM, MRS. C. M. KELLEY, Newark, N. Y.—Farm-raised Black and White Langshans. Our stock has won this season 23 first prizes out of a possible 24, 17 seconds out of a possible 19. Send for circular.

BLACK LANGSHANS EXCLUSIVELY—Free range; best layers and table fowl. Eggs, $1.00 per 13. Address J. H. BORMANN, Station M, New York, N. Y.

WHITE and Blue Langshans, W. Minorcas, Golden Wyandots—At Binghamton, 1896-97, won all 1st and 2d prizes. New York, 1896-97, Whites won on cocks, 1st and 2d; hens, 1st and 3d; cockerels, 1st and 3d; pullets, 3d and 4th. Eggs, $2.00. BLAIR & SHERMAN, Castle Creek, N. Y.

NORTHROP'S BLACK LANGSHANS. Our birds won at Jackson, Grand Rapids, Lansing and Detroit. Our pens are mated from prize winners for best results. Our $3.00 eggs for $2.00 per sitting. A few fine cockerels cheap. B. D. NORTHROP & SON, Lansing, Mich.

BLACK LANGSHANS—Cockerel, 95 by Bicknell, mated with females scored by Bridge or McClave as follows: 94, 94½, 94½, 94½, 94½, 95, 95, 95, 95, 95½, 95½, 95½. Eggs, $2.00 per 13. Incubator eggs, $3.00 per 100. Stamp for catalogue. ELMER C. WOOD, Mt. Gilead, Ohio.

BLACK LANGSHANS, Light Brahmas, Barred Plymouth Rocks, Single Comb Black Minorcas, Single Comb Brown Leghorns. Eggs, $1.00 for 13; $1.50 for 26. C. A. AMBROSE, Ligonier, Pa.

CONESTOGA Poultry Yards, Conestoga, Pa.—Black Langshans, Buff Cochins and Barred Plymouth Rocks. Eggs, $1.00 per 13. A few cockerels for sale. Write for catalogue. DR. I. M. WITMER.

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THE HOME OF THE HAMBURGS—JULIUS FRANK, Akron, O.—Silver Spangled, Golden Spangled, Golden Penciled, Silver Penciled, White and Black Hamburgs exclusively. Have won and stood the test at Washington, Pittsburg and Cleveland, 1895 and 1896, and again at the last Cleveland Show. 1896.

SILVER SPANGLED HAMBURGS EXCLUSIVELY—Winners of 7 regular and 2 special prizes at Erie, Pa. Cockerels for sale, including several prize winners; also, 20 pullets. Eggs, $2.00 per sitting. Mention The Feather. H. Y. MILLER, Sugar Grove, Pa.



MAYO'S SILVER SPANGLED HAMBURGS. Winners in '96 and '97 at Boston, New York, Washington, Hagerstown, Mt. Gretna, Newburg, Trenton, Scranton and wherever shown. Eggs, $2.00 per 15. Stock for sale at all times. Send stamp for circular to JAMES MAYO, Black Diamond City Poultry Yards, Pittston, Pa.

SILVER Spangled Hamburgs exclusively—At Cambridge, 1896, won 1st on chicks, 1st cockerel, 1st pullet, 2d pullet, 1st hen. Stock for sale. Eggs, $1.00 per 13; $2.50 per 39. FRED. A. SPAULDING, Salem, N. Y.

S. S. Hamburgs and W. Wyandots—Won on Hamburgs at Brocton (N. Y.) Show, 1st and 2d cock, scoring 90½ and 88 points; 1st hen, 90 points, and 2d pen. Stock for sale. Eggs only $1.00 per 13 from both breeds. L. D. COWDEN, Fredonia, N. Y.

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H. T. HERMAN, Carlisle, Pa.—White Faced Black Spanish, Black Breasted Red Game, Black Minorca, Black Breasted Red Game Bantams, S. C. Brown Leghorn eggs, $1.50 for 13. Catalogue free.

WHITE-FACE BLACK SPANISH a specialty for thirty-three years. One kind only, at full range; hence they are bright and eggs will hatch. Fowls, $5.00 each; eggs, $2.00 per 13; $5.00 per 39. Circular and my photo. free. JOHN BENNETT, Sunman, Ripley Co., Ind. Mention The Feather.

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H. J. BRANTHOOVER, importer and breeder of ANCONAS, the greatest egg producer ever imported. My birds have won prizes wherever shown. Send at once for 1897 catalogue. No. 6101 Station St., E. E. Pittsburg, Pa.

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SILVER SEBRIGHT BANTAMS—For sale, exhibition birds and breeders in pairs or single. Finer this year than ever. Bred from winners at World's Fair, New York and other leading shows. Write for prices and say what you want. Mention The Feather. A. C. TREICHLER, M. D., Elizabethtown, Pa.

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GOLDEN and Silver Sebright, Black Rose Comb, Silky, White Crested White Polish, White, Black and Black Tailed Japs, Buffs, Black and White Cochin Bantams; Fantails, White, Colored, Saddles, Tails and Splashes. Write for wants. My prices are low. Stock first class. IRVIN S. MILLER, 397 Chew St., Allentown, Pa.

MAUNDER'S White Game Bantams, winners at Hamburg, N. Y., Rochester, N. Y., Erie, Pa., Toronto, Canada, Providence, R. I., Boston, Mass., East Liverpool, Ohio, Rockford, Ill., Madison Square Garden, Washington, D. C., and other places. Address FRED. MAUNDER, 33 E. Ferry St., Buffalo, N. Y.

FIVE trios White Pekin Bantams (Snow Drop strain), yellow legs and beak, immense toe and leg-feathering. Also, two pair imported Polish Bantams. Send for printed list. H. T. KLUSMEYER, JR., Easton, Pa.

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WM. A. WEIS, 52 North Hancock St., Wilkes Barre, Pa., breeder of prize-winning Houdans; winning 1st and 2d on pen, 1st on cock, 1st on hen, at Wilkes Barre; 1st and 2d on pen, 1st on cock, 2d on hen at Scranton. Eggs, $2.00 per 15. Satisfaction guaranteed.

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DANIELS' Black Javas and Rose Comb White Leghorns won at the Great Boston Show, January 26-30, 1897; also, at all the great fairs and shows in New England. Choice birds for sale. Eggs, $2.00 per 15. Circular tells all. H. B. DANIELS. 94 R. R. St., St. Johnsbury, Vt.

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HELMITS—32 pairs Red, Black, Blue and Yellow. Not a mismarked or poor-colored bird in the lot. Were winners at Allentown, Trenton, New York and Boston. Will sell in pairs or lot. H. T. KLUSMEYER, JR., Easton, Pa.

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GEORGE FEATHER, breeder of high-class English Owls and Turbits, Ballou Ave., Station O, Dorchester, Mass., has for sale a grand lot of 1896 youngsters; also, a few old breeders, both stock and exhibition birds. This strain of Owls has been to the front at all the most important shows for the last eight years. Prices very reasonable for quality of stock; state wants; satisfaction guaranteed; no postals.

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FANTAILS AND JACOBINS in White, Black, Red, and Yellow, carefully bred and healtyh birds. My entire collection for sale at prices that defy comparison. Anyone wanting some first-class birds should embrace this opportunity. Write for description and price to CHAS. P. ANDERSON, P. O. Box 304, Erie, Pa.

SWALLOWS, Magpies, Turbits, Owls, Fantails, Pouters, and Homers, in leading colors. My loft is composed of the best of imported and American bred birds, and my show record will attest their quality. Surplus for disposal at lowest prices for quality, and satisfaction guaranteed. O. F. MITTENDORFF, Lincoln, Ill.

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FOR SALE—High-class fancy pigeons—Pouters, Carriers, Barbs, Owls, Jacobins, Tumblers, Turbits, Starlings, Moorcaps, Nuns, Magpies, Helmets, Swallows, Archangels, Fantails, Ring Doves, Guinea pigs, canary birds, red birds, rabbits, fancy poultry, white rats. Address JOHN M. ORNELLAS, Box 3124, Springfield, Ill.

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HOMING PIGEONS mated for flying or squab breeding, $1.00 and $2.00 per pair. Books on Breeding and Training, 25 cents (stamps); Money in Squabs, 20 cents; Pigeon Queries, 25 cents; Dogs, Rabbits, Cage Birds, Poultry, 10 cents each. Seamless and open aluminum leg bands, pedigree blanks and cards. Catalogues free. F. L. HOOPER, Station D, Baltimore, Md.

HOMING PIGEONS—Owing to crowded lofts, must dispose of ten pair record breeders and surplus '97 hatched youngsters from parents with records of 100 to 500 miles very reasonable. Stamp for circular. Satisfaction and pedigres given. THE SOUTHERN LOFTS, 716 21st St. N. W., Washington, D. C.

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HAVING bred Homing Pigeons for 20 years will sell Racers from the following strains: C. T. F. banded pairs, 20 imported birds, flew Bordeaux, France, 550 miles to Belgium, and 5 birds that flew for me in 1893 from World's Fair, Chicago, Ill., to my old lofts, Baltimore, Md. Pairs from the above strains, $2 up and $3 a pair. Enclose stamp for reply. ORIOLE PIGEON LOFTS, EUGENE STODDARD, 12 Liberty St. Hagerstown, Md.

"ROYAL RED SEAL LOFTS," F. E. Morganthaler, Proprietor, 1357 Willson Ave., Cleveland, Ohio, breeder, importer and flyer of the speediest strains of Homing pigeons exclusively. Fine 1897 catalogue, containing pedigrees of 28 pairs of breeders, sent for stamp. Fine, large squab breeders for sale.

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EGGS for sale from Bronze Turkeys, some scoring 97, $3.00 for 13; Barred Rocks from Felch's yards, $2.00 for 13; Pekin Ducks from prize-winning stock, $2.00 for 15. MRS. CHAS. JONES, Pawpaw, Ill.

JOHN WIEGAND & SON, Frostburg, Md., offer 3 Imperial Pekin drakes at $1.50 each; 5 Buff Leghorn cockerels at $1.25 each; 20 Buff Leghorn pullets at $1.00 each. They guarantee satisfaction and their stock is of the best. Eggs in season.

SEE HERE! If you want to have some of the largest, healthiest, and best laying ducks in the country, try a few sittings of my Rouen Duck eggs, which I have for sale at $1 per 11; $1.75 per 22, and $2.50 per 33. H. S. CHRIST, Pine Grove, Pa.

RED STAR FARM, Somerset, Mass.—Eggs from our farm-raised Aylesbury, Rouen, Cayuga and Gray Call Dux, White Wyandots, Spanish and Buff Laced Polish, $1.50 per sitting. The fowls have won at Providence, Worcester and Brockton. "Have won; will win."

TURKEYS

GEORGE WOLF, Senoca Falls, N. Y.—Another sweeping victory at the Great Rochester Show on Bronze Turkeys, January 11 to 16, 1897. I exhibited 6 birds, winning 1st and 3d cock, score 98 and 96 points; 1st hen, 97½; 1st cockerel, 98½; 1st and 2d pullets, 98, 98. Butterfield, judge. A grand lot of young birds yet for sale. If you want quality, I can furnish it. Stamp for reply.

ORNAMENTAL

E. M. BAILEY, Albion, Ill.—Choice Peafowls; African, Egyptian, Buff, Wild, China, Toulouse and Embden Geese; Wild, White, Black, Slate, Bronze, Buff and Narragansett Turkeys; Crested White, Pekin, Wild and Rouen Ducks; chix, etc.; Poland China, Chesters, Berkshires, Yorkshires, O. T. Chesters of best quality. Stamp for reply.

MISCELLANEOUS

20 PAGE CATALOGUE FREE, or send six cents in stamps this month for the catalogue and Practical Poultry Keeper, 64 pages, cheapest book ever published. Every one interested in poultry should have this book. Oak Park Poultry Yards, Platteville, Wis.

WINNERS of 1896 at New Jersey State Fair, Bethlehem, Mt. Holly, Trenton and Danbury (Conn.). I am not situated so I can keep them and will sell the following at half price: White, Colored and Sandwich Muscovy, White Crested and Aylesbury Ducks, African Geese, White American Dominiques, Black Leghorns, Black Hamburgs, R. C. White Leghorns, Silver Bearded Polish, Leghorn Bantams. All kinds of pet stock and pigeons. PRALL DILTS, Jamesburg, Middlesex Co., N. J.

HOMER CITY Poultry Farm breeds choice strains of B. Langshaus, B. P. Rocks, S. Laced and White Wyandots, S. C. Brown, R. C. Brown, S. C. White and Buff Leghorns, Black and White Minorcas, S. S. Hamburgs and Blue Andalusians. Some choice cocks and cockerels for sale. Eggs for hatching at $1.50 for 15; two or more sittings, $1.00 each. Orders booked now for Spring hatching. C. W. TUCK, Homer City, Pa.

JAMES M. SMITH, Box 499, Perkiomenville, Pa.—Breeder of all leading varieties of prize-winning poultry. Stock for sale. Eggs for hatching Prices to suit the times. Eggs, $1.00 per 15. Fine catalogue free.

EGGS, $1.00 per 13; $1.50 per 26. Barred Rocks, Light Brahmas, Buff and White Leghorns Game Bantams, Pekin Ducks, Homing and Tumbler pigeons. J. H. MILLER, Ligonier, Pa.

BARGAINS—3 trios Barred P. Rocks, $6.50 trio; 1 trio Buff P. Rocks, $6.50; 3 trios S. C. Wyandots, $6.50 trio; 1 pair I. Games, $4.00; 1 cock, 3 hens and 2 pullets, G. Wyandots, for $10.00; 4 B. P. R. cockerels, $2.00 to $3.00. I guarantee all to be first-class birds or no sale. H. H. BARKSDALE & CO., Danville, Va.

ADDRESS J. G. B. ERWIN, Erwin, Gordon Co., Ga., for fowls and eggs of White Wyandots, Cornish Indian Games, White Holland Turkeys; also Berkshire Pigs.

WM. W. BALCH, Deford, Mich., breeds Improved Chester Whites, White and Barred Rocks, Golden and S. Wyandots, S. C. B. Leghorns and Black Minorcas. 4o fine cockerels at $1.00 each. Eggs, 75c per sittlng; 3 sittings, $2.00. None better.

MIKADO POULTRY FARM, Charlotte, Mich. Place your orders for eggs now. Of course you know the quality of our stock. We can please you. Buff, Partridge, and Black Cochins, Light and Dark Brahmas, S. C. Leghorns, White Wyandots, S. S. Hamburgs, Imp. Pekin Ducks and Guineas. Eggs, $2.00 per sitting and guaranteed to hatch. Stock for sale at all times. Agents wanted for our Mikado Poultry Food.

HIBBERD'S prize-winning Buff Wyandots, White Cochins, White and Black Minorcas, White and Barred Plymouth Rocks. Eggs, $1.00 per 13. All leading strains. No culls. S. L. HIBBERD, Lima, Delaware Co., Pa.

HOOPER'S LICE FORMULA. Kills insect life with lightning dispatch. Rough on Lice, Mites, Bedbugs, Ants, Roaches, Fleas, etc., are exterminated with magical effect. Cheap, harmless, easily applied. Complete directions sent for 10 cents (stamps). F. L. HOOPER, Station D., Baltimore, Md.

60 EGGS for $3, 15 for $1, and 2 med. nest eggs. Poor hatches dup. at half price. Parts of sittings in each order if desired. Poultry is largely bred on separate farms. Circ. free with list of premiums won. WHITNEY BROS., Triangle, New York.

BLACK WALNUT FARM—B. P. Rocks, S. C. Brown Leghorns, Light Brahmas; vigorous stock, early and prolific layers. Eggs, $1.00 per sitting. Pekin Duck eggs, $1.00 per sitting. Stock and eggs for sale. W. P. COTTON, Manager, Churchland, Va.

PRIZE WINNERS—25 prizes won on my birds at Amesbury, Mass., and Manchester, N. H. Barred P. Rocks scored 93½; Black Langshans, 95; Black Minorcas, 96½. If you expect to be in next season, purchase eggs and stock from me. Fine breeding stock for sale. Eggs, $2.00 per sitting. Stamp for eight-page circular. W. T. GREENE, Hopkinton, N. H.

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BUFF, White and Barred Plymouth Rocks; Buff, White and Brown Leghorns, Black Minorcas and Buff and Partridge Wyandots. My matings consist of the best that money can buy. My Buffs are buff to the skin—no white or black in plumage—light lemon buff surface color and buff to the skin. Eggs from $1.50 to $5.00 per sitting. Get my handsome catalogue for '97. WALTER COX, Washington, N. J.

PRIZE-WINNING STRAINS of S. C. White Leghorns, White Wyandots, White Plymouth Rocks and Silver Penciled Hamburgs. Stock for sale at reasonable prices. Eggs, $2.00 per 13. Fertility guaranteed. Send for card and '96-'97 prizes. GERALD S. HOWLAND, 421 Green St., Cambridgeport, Mass.

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ALUM CREEK Poultry Yard, Ashley, Delaware Co., Ohio, T. M. SEEDS, Proprietor—Breeder of White F. Spanish, Partridge Cochins, Black Minorcas, Golden Wyandots, Black Langshans, Houdans, Buff Leghorns. Have some good young stock of the above varieties for sale. Eggs in season. Mention The Feather. Box 40.

CHENANGO RIVER Poultry Yards, L. J. BEARD, Proprietor—Rose Comb Black Minorcas, Single Comb Black and White Minorcas, Buff and Black Leghorns, Rose and Single Comb Brown and White Leghorns, White and Barred Plymouth Rocks, Golden and White Wyandots, Andalusians, Light Brahmas, White Face Black Spanish, Red Caps and Pearl Guineas. Mixed orders taken. Eggs, 15, $1.00; 30, $1.50. Pekin Duck eggs, 11, $1.00.

EGGS from dark-egg strain White Wyandots crossed on large sized, prolific laying strain Light Brahmas and from Buff Leghorn and Buff Cochin cross, 75c. per 15; $1.25 per 30. Light Brahma (Autocrat strain), $2.50 per 13; White Wyandot (Felt strain), $1.50 and $2.00 per 13; Buff Leghorn (Arnold strain), $1.50 per 13. 35 breeding yards. Orders promptly filled. Eggs carefully packed and satisfaction guaranteed. C. H. SPENCER, Phenix, R. I.

COUNTY LINE Poultry Yards breed the choicest strains of Light Brahmas, Barred and White Plymouth Rocks, S. C. Brown Leghorns, Mammoth Bronze Turkeys, Toulouse Geese and Rouen Ducks. Stock for sale. Eggs in season. Send for price list, with prizes won. A. G BARLOW, Millers, N. Y.

FOR ALL BREEDS of fine-bred poultry, pigeons, pheasants, rabbits, ferrets, Guinea pigs, Maltese cats, fine-bred dogs, Shetland ponies, garden and flower seeds, address now COL. JOS. LEFFEL, Springfield, Ohio.

THE WISHBONE POULTRY YARDS—Buff and Partridge Cochins, Black Langshans, Black Minorcas, S. C. Brown and Rose Comb White Leghorns. Stock genuine. Eggs, $1.00 per 15. Also, English lopped-eared rabbits and Belgian hares. Write for prices. GEO. SCHMALING, Purchase, N. Y.

I ENTERED EIGHT BIRDS at Scranton Show and won seven prizes on White Wyandots and Redcaps (Wyandots, Felt Strain). This strain has won more first premiums than any in United States or Canada. Wyandot eggs, $1.50 per 13; Redcaps, $1.25 per 13. My Buff Rocks are finer than ever; nice, low, straight combs, clean hackle; eggs, $2.00 per 15; $3.50 per 30. Golden Sebright, $2.00. Circular. C. E. VASS, Washington, N. J.

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EGGS for hatching from fine Barred Plymouth Rocks, Black Langshans, Pekin ducks and White guineas, $1.50 per 15, or $2.50 per 30. Bronze turkeys, large and fine; eggs, $1.50 per 9, $2.50 per 17. MRS. LIZZIE DYER, Versailles, Tenn.

IN A GOOD POSITION to supply your different wants for hatching eggs from the cream of heavy or light weights, broilers or layers. Would greatly prefer if you could see the stock you are buying eggs from, as you would not fail to notice that all are the picture of health and beauty, and not confined in small coops and filthy pens, but have access to large, green yards and roomy houses; kept strong and vigorous with plenty of cut green bone and grit. Dark Brahmas (P. Williams'), $1.25 per 15, $2.25 per 30; Barred P. Rocks (Lambert's), $1.00 per 15, $1.75 per 30; Buff Leghorns (Arnold's), $1.00 per 15, $1.50 per 30; White Leghorns (Wycoff's), $1.00 per 15; $1.50 per 30. Incubator eggs as will accummulate from all of the above breeds, $4.00 per 100. PINE GROVE POULTRY YARDS, Lock Box 6, Pine Grove, Pa.

THE Lycoming Poultry Farm's White Wonders won at Elmira (N. Y.) Show, 3 1st and 1 2d prizes; also, Buff Cochins, Houdans, Barred Plymouth Rocks, S. C. White and Brown and R. C. White Leghorns, Black Minorcas. Eggs for hatching. Send stamps for catalogue. Also pigeons. A. KIELBASA, Prop., Box 193, Williamsport, Pa.

BEAVER BROOK Poultry Yard—Eggs from pens of Buff and White Plymouth Rocks, Rose and Single Comb Buff Leghorns, Rose and Single Comb Black Minorcas, Buff Wyandots, American Dominiques, $1.00 per 15. Best strains and prize winners every time. Write for price on Rose Combs. WM. J. DILLON, Salem, N. Y.

ONE DOLLAR for 13 fresh eggs from high-class Buff and Barred P. Rocks, Buff and R. C. B. Leghorns, White and Silver Wyandots, Black Minorcas, Buff Cochin Bantams. I ship only fresh eggs. W. J. WIBERLEY, Peekskill, New York.

EGGS from Buff Cochins, Brown Leghorns, Black Langshans and Golden Polish. Also imported Lop-Eared Rabbits, Belgian Hares, Flemish Giants, Flemish Bucks for crosses cheap. Mention The Feather. ELLIOTT SMITH, Port Chester, N. Y.

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SEND ME 10 cents (silver) and I will send your name to 50 poultry papers and 80 poultry supply houses. Lock Box 11, Richfield, Pa.

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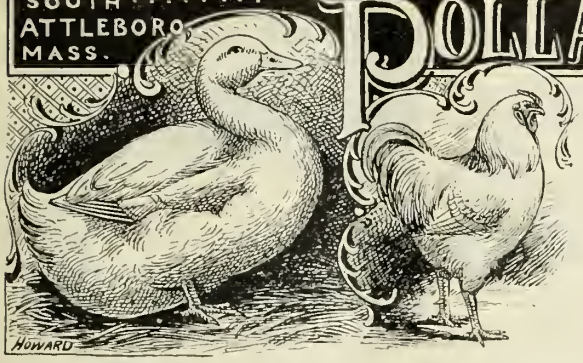
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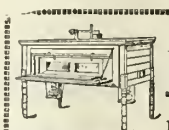
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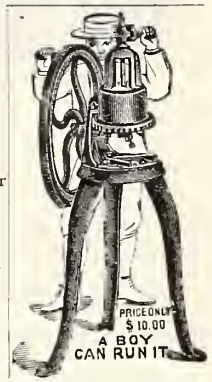


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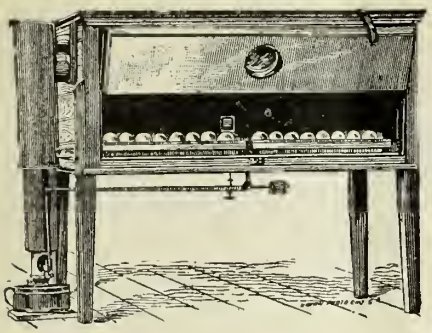


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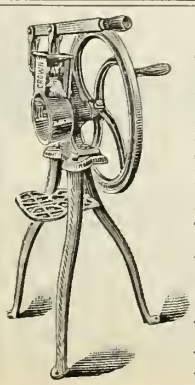
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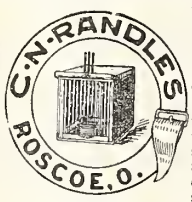
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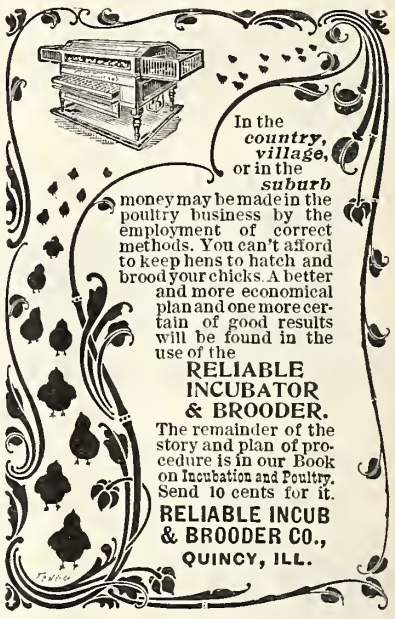
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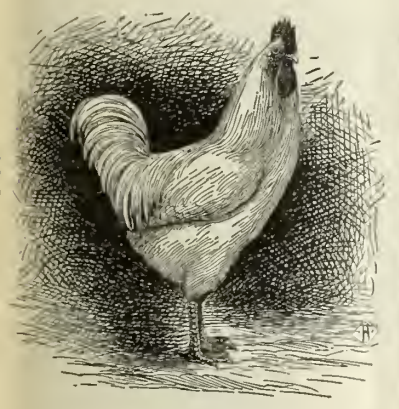


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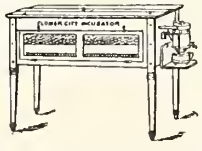
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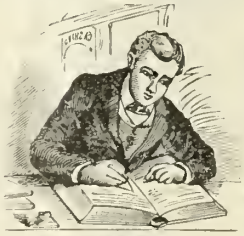
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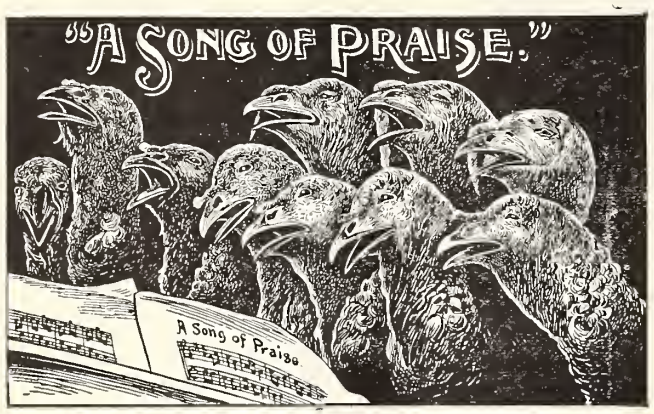
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A song of praise,
Is sung always
By the Turkeys on our farm;
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With melodies that charm.

FISHER'S ISLAND FARM E. M. & W. FERGUSON, Prop.

These Turkeys can not really sing as does the Canary, but their song would be

ONE OF PRAISE

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We breed: Mammoth Bronze Turkeys, White Holland Turkeys, Barred Plymouth Rocks, Buff Plymouth Rocks, White Plymouth Rocks, Indian Games, Imperial Pekin Ducks, Wild Black Ducks, Pure Mallard Ducks, Decoy Ducks. Winners at New York, Washington, Boston, Hagerstown and Kansas City.

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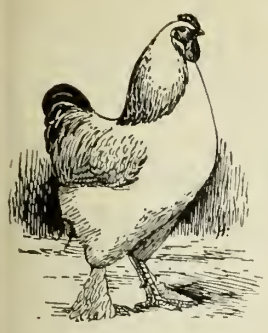
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At Madison Square Garden, 1896-97, won 1st and 2d on cocks, 2d and 4th on cockerels, 1st and 2d on pullets and 3d on breeding pen. At Washington, 1897, made a clean sweep, winning 1st, 2d and 5th on cocks, 1st, 2d and 3d on hens, 1st, 2d, 3d and 5th on cockerels, 1st, 2d, 3d, 4th and 5th on pullets, 1st and 2d on breeding pens; also all specials. At Boston, 1st, 2d and 3d cocks, 3d and 5th hens, 1st, 2d, 3d and 5th cockerels, 1st and 5th pullets, 1st and 2d pens, and 17 special prizes, including $25.00 cup for best collection. 2-cent stamp for catalogue.

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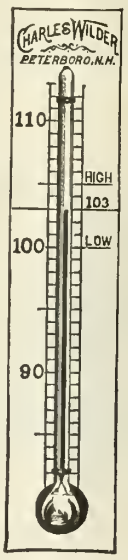
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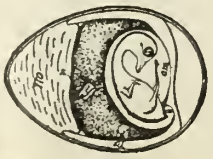


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Buff eggs $1.50, all others $1.00.

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Have won more prizes in the last 5 years than any others in New Hampshire.

Winners at Amesbury, Mass., Dec. '95 and '96, in largest class of Rocks shown in New England this season, 165 in class. **First Cockerel, 94½; First Pen, 187⅞; Second Pullet, 94,** same score as first; **Third Pullet, 93½; Second Hen, 93,** and many specials.

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WINNERS AT AMERICA'S LEADING SHOWS.

At Hagerstown, 1896, won 1st and 5th cockerels, 1st pullet and 2d pen; at New York, 1896-97, won 1st and 2d pullets; at Washington, D. C.,, 1897, won 1st cockerel, 1st and 2d hens, 1st and 2d pullets, 1st pen, 2d Pekin drake, 2d Pekin duck and two specials.

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BREEDS AMERICA'S PRIZE WINNERS.

Winning at a tremendous show held Christmas week, 1896, all specials on

Buff and Barred Plymouth Rocks

And solid silver cup for best display, and again at the Great National Show at Washington, D, C., on 23 entries won 21 premiums, among them 12 firsts. Stock for sale. Eggs in season.

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That are Barred to the Skin.

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ROYAL STRAIN BLACK MINORCAS

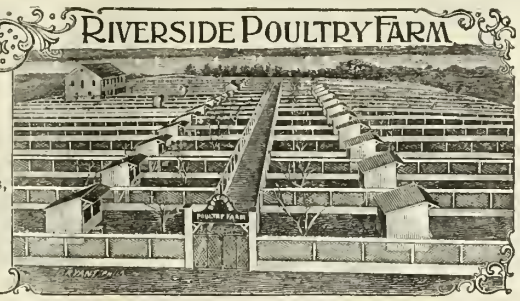
As originated and bred by the undersigned has proven to be invincible in the show-room from Maine to California, and from the British possessions to the Gulf of Mexico, and are winning high honors for my customers at such shows as New York, Washington, Hagerstown, Wilkes Barre, etc, and can do the same for you. Some good breeding cockerels for sale. Those desiring eggs of this strain should place their orders early. Sittings, $2.50; per hundred, $8.00.

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BREEDERS OF

Silver and White Wyandotts,
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Black Langshans,
Pekin Ducks,
S. C. Br. and S. C. Wh. Leghorns,
Barred and White P. Rocks,
B. B. R. Game Bantams,
Pekin Bantams,
Black Minorcas,
Pheasants.



EGGS AND STOCK We have in our breeding yards this season matings which cannot be surpassed; every bird is either individually a prize winner or good enough to send to any show. Not one bird which will score less than 90 points, and the most of them 93 to 95 and some 96 points. EGGS from these yards must produce winners. A few early-hatched birds on hand yet for sale at reasonable prices. Send stamp for illustrated catalogue, show record and testimonials.

RIVERSIDE POULTRY FARM, BOX 26, NEW BERNE, N. C.

1879 O. K. POULTRY YARDS. 1897

No Guess Work, No Comparison--

But 25 1st out of a possible 26 won by my customers in '96 and '97 in score-card shows by my

BLACK LANGSHANS
BLACK COCHIN BANTAMS, LANGSHAN BANTAMS.

Awards at Washington: Cockerels, 1, 2, 3, 4, 5; pullets, 1, 2, 3, 4, 5; pens, 1, 2. Specially commended. All eggs, $5.00 per 13; $8.00 per 26; $10.00 per 39.

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That **MICA CRYSTAL GRIT** is an established fact goes without saying. Product for the season of 1896 and 1897 is the best ever made. We are prepared to fill orders both great and small. Correspondence solicited. For sale by EDWARD S. SCHMID, 712 Twelfth Street N. W., Washington, D. C., or

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Owing to the times I have decided to sell eggs this Spring at half price, as follows:

Buff P. Rocks	$1 00	per 13	eggs
Barred P. Rocks	1 00	" 13	"
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Light Brahmas	1 00	" 13	"
Buff Wyandots	1 00	" 13	"
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Red Caps	1 00	" 13	"
Buff Cochins	1 00	" 13	"
Black Langshans	1 00	" 13	"
Buff Leghorns	1 00	" 13	"
S. C. W. Leghorns	1 00	" 13	"
R. C. W. Leghorns	1 00	" 13	"
S. C. Brown Leghorns	1 00	" 13	"
Black Minorcas	1 00	" 13	"
Imperial Pekin Ducks	1 00	" 11	"
Buff Brahmas	2 00	" 15	"
Cornish Indian Games	2 00	" 15	"
White Indian Games	2 00	" 15	"
Buff Indian Games	3 00	" 15	"

Eggs, $6.00 per 100; Game eggs, $10.00 per 100.

Having had 20 years' experience with strains awarded over 300 premiums since 1881, and now having one of the largest poultry establishments in America, I feel confident I can please all who favor me with an order.

LEWIS C. BEATTY,

Box 32, Washington, N. J.

Large illustrated catalogue free. Order at once.

Marburger's Barred Rocks...

Exhibited this season at Mt. Gretna only. Won the principal prizes, including 1st cock and 1st cockerel. A few good breeders for sale yet.

After April 15th I will sell 40 hens and 5 cocks at half price.

A. W. Marburger,

LOCK BOX 9, DENVER, PA.

POULTRY SUPPLIES.

Bone Meal, Granulated Bone, Crushed and Granulated Oyster Shells and Charcoal, Limestone, Grit, Bone Mills and

Everything for the Poultry Yard

For Sale at Reasonable Prices.

THE CROWN BONE CUTTER.

We are now offering as a specialty a new Bone Cutter—The Crown—at the exceptionally low rate of

$6.50 with Balance Wheel (without stand)
$8.50 complete with stand.

JOHN H. SLACK, Bloomsbury, N. J.

Black Langshan Eggs

- For hatching for sale at $2.00 per sitting from four choice pens of old stock. No bird scoring less than 93 in the lot.
- Mated and scored by W. H. Hughes.
- Orders booked in rotation and eggs guaranteed not over three days old.

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Black Langshans =:= White Minorcas

EGGS, $2.00 PER SETTING.

My Langshan pen is headed by the 1st prize cock and hen at Washington Show, 1897 (bought by me of W. H. RHEES), and is not excelled by any breeding pen on earth.

Ashley M. Gould,

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THE BUSINESS HEN has enough to do to supply the world with eggs, and no time to hatch chicks. That important branch of the poultry industry should be left to the **MONITOR INCUBATOR** which has no superior for the purpose it is designed.

It takes a 64 pg. catalogue to tell all about it.—Sent for 4c in stamps.

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MORE EGGS

QUICKER GROWTH

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The cost of this Feed to you is but a trifle compared with the dollars returned

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WRITE US FOR QUOTATIONS AND FULLER INFORMATION

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The Feather

A National Journal Devoted to Poultry, Pigeons, Birds, Etc.

Vol. II. No. 7. Washington, D. C., April, 1897. Five Cents.

SUCCESS IS HERE.

A Pleasant and Beneficial Visit to a Successful, Practical New England Poultry Farm.

BY WM. H. RHEES.

IF you are a fancier, chicken crank or suffering with a bad case of hen fever, nothing will please you more than a visit to a poultry show. Nothing will probably benefit you more than an excursion to the yards of famous fanciers or successful poultrymen. If you do not enjoy it at all, make up your mind that you have made a mistake, drop the poultry business and start again, if possible, in some other pursuit.

In the latter part of a certain November we found that business would permit a vacation of several weeks, and accepted the chance to realize one of our fondest desires, a trip among the prominent fanciers and poultrymen of New England. In no other section of the country can one find such a high degree of excellence attained by so many breeders of fancy fowls or by those aiming to raise market poultry.

After a pleasant trip north, we arrived in Greater Boston, called the "Hub of Culture." Soon we were on our way west over the famous Hoosac Tunnel route, passing Waltham with its mammoth watch factory, and better known to the poultryman as the home of several fanciers of the especially Bright kind.

Leaving the train at a small station a few miles farther on, we enjoyed the walk through the woods, amid the rocky and picturesque scenery familiar to all who ever visited New England. A short tramp and we reached the poultry farm of W. J. Kirwin. Here we found the plant of a successful, practical poultryman, one whose efforts are directed to the production of fertile incubator eggs and market poultry. Mr. Kirwin began poultry raising years ago and has gradually developed it into an extensive and profitable business, devoting all his time and farm to this occupation. He is what we call a "bread and butter poultryman," meaning by that term a man who derives his living entirely from his poultry. Such men are rather scarce. Poultry raising is generally not the only occupation, and hens are generally a side issue to farming, various trades or a profession. Mr. Kirwin deserves all his success. He is a Yankee straight through, earnest, energetic and a pusher with the keenest judgment that shows how to turn everything toward a profit. Doing nearly all his own work he has been able to learn by experience the best and most economical methods for his business. It is just this fact of being right with the hens and the ability to quickly determine causes and results that forms such an essential part of the life of prosperous poultry raisers.

The poultry buildings are located on a gentle slope of ground and are protected on the north by a steep, rocky hill well covered with forest. The plant consists of a main building 460 feet in length and several smaller ones. In the center of the plant is the feed house, two stories high, with a cellar. In the cellar are the engine and boiler used for pumping water into a large tank in the attic holding 800 gallons. Power is also used for grinding feed, bones, etc. Steam is utilized for cooking the feed (morning mashes) and to warm part of the house when used to raise young chicks.



PLANT OF W. J. KIRWIN.

The first floor is partly a granary and contains the bone and grist mills, etc. On the second floor is an office and room for general storage.

The main building is divided into pens twelve feet wide and ten feet long, opening into each other by doors in the partitions near the windows. These doors hang on spring hinges and open either way. Thus every foot of space is in use by the fowls, and it seems more economical and almost as convenient as having a long passage-way or hall cut off from the pens. At any rate, we found this plan of the doors used in many successful long poultry houses in this section. There are three good-sized windows to each pen, the sashes sliding up and down. This really makes the entire front of glass, considerable more than can be found in most modern hen houses, but Mr. Kirwin assures us that this has proven quite satisfactory, even in the coldest weather.

The stock is mostly Barred Plymouth Rocks, selected for practical rather than fancy points. There are about twenty-five hens and two males in each pen. About 500 females and forty males are kept during the Winter, and 1,000 chicks are raised every year.

Nothing makes profit or loss on a poultry farm quicker than the manner of feeding the stock. Right here the practical man uses common sense learned by experience to save dollars, while the inexperienced loses dollars in trying to gain common sense. Mr. Kirwin feeds his old fowls twice a day. The morning feed is a mash of ground oats, cornmeal, barley, wheat, small potatoes, boiled ground bone and meat; all cooked by steam in a jacket kettle. Fish is also fed once or twice a week in place of the bone and meat. He has an idea that green bone is too fattening for laying poultry. Enough is given at each meal and some is left over so that the weak ones may get their share as well as the strong ones. At 2 o'clock the hens are given free range if the weather is good. The afternoon feed is whole grain, wheat, oats and corn, mixed sometimes for a change with barley and buckwheat. The pens are covered with rye straw for litter, in which is thrown the grain, cabbage, turnips and cut clover hay, when birds are not fed outside. In the Fall three acres of Winter rye are planted in front of the hen house, which takes the place of other green food when fowls cannot get outdoors.

We asked Mr. Kirwin to give us his method of raising young chicks. Hen power is used entirely for hatching and rearing. As to incubators, he supplies every year about 12,000 eggs to customers using machines, but as yet has not adopted them, saying he has not the time or money to experiment and knows what can be counted on from natural methods. Barrels with lath front are used for coops, and it is a queer sight to see hundreds of these on their sides scattered all over the grassy slope or under the trees of the large apple orchard. The hens are kept confined in coops for four days and after that have

free range with their brood of chicks until the latter are six weeks old. When the chicks reach this age several broods or about sixty chicks are placed in a small house. These houses are built with open sides, tight roof and floor and are three feet in front and two feet high at the back. They are movable and are generally placed in a mowed field. Chicks remain in these until the cockerels are killed for market and pullets are placed in Winter quarters.

During the first two weeks young chicks are fed five times a day, at 6, 9, 12, 3 and 6 o'clock, on crackers and milk. Waste crackers are obtained at a low price from bakeries and milk is hauled from the creamery. We have used this feed ourselves and know it gives the peepers a fine start. Care should be taken that the feed is crumbly, not soggy. Granulated oatmeal and millet seed are valuable to feed for variety during the first few weeks; after that chicks receive the same kind of feed as old fowls.

The chickens are marketed when they dress four pounds apiece, or when about four months old. Prices received range from twenty-five to forty cents per pound from May to August at wholesale. Mr. Kirwin has the reputation of being an expert in preparing poultry for the market and his services are in demand by neighboring poultry raisers. The breeding males, except three or four, are all sold in June; this gives the hens and pullets a rest. In September all hens over two years old are sold. A specialty is made of supplying eggs for incubator hatching, and patrons are supplied with many thousands each season at $5.00 per 100 or $40.00 per 1,000. The surplus are sold to a select family trade at twenty-five to forty-five cents per dozen.

We have endeavored to give some of the details of the methods followed on this poultry farm in the hope that some beginner may be benefited thereby, and while these methods, no doubt, are successful under Mr. Kirwin's direction, no iron-clad rules can be given to make them successful in the hands of all. When breeders learn how and what to adopt, suitable to their conditions, surroundings and aims, half the battle is won. After all, experience is a great but slow teacher. Remember, it is probably your own fault if you cannot profit by a visit to a prosperous, practical poultry farm.



A SECTION OF MR. THIELE'S FARM.

A Fancier's Home.

One of the most interesting, as well as successful, poultry and pigeon yards near the National Capital is that of Mr. Rudolph Thiele, Silver Hill, Md. Mr. Thiele is a thorough fancier and for years he has been devoting time and money to perfecting the quality of his stock. His pretty home and farm is within two miles of Washington City, and being situated on high ground affords a splendid view of the surrounding country.

The illustration shows his residence, bird house and one of his many poultry houses. It is only a sectional view of his immense place. There are a dozen or more poultry houses like the one shown in cut on his place, besides the innumerable houses which he uses for his pigeons, ducks, geese, pheasants, rabbits, etc. More than twenty varieties of poultry are kept, besides the pigeons, birds and pet stock, and all are under his own care and supervision. To successfully care for so many kinds of pets requires constant attention to the detail work of the place; it is a large undertaking, so large, indeed, that there must be a love for the work or one could never succeed. If it was a burden to him, as some men's businesses are, he would have failed long ago. As it is, Mr. Thiele had proven his devotion to his stock and has reaped a rich reward where others would have failed.

The principal varieties of poultry kept are: Barred and White Plymouth Rocks, Light Brahmas, Houdans, Cornish Indian Games, Black Langshans, Golden-laced Wyandots, White, Buff and Brown Leghorns, Black Minorcas, Andalusians and Pekin Ducks. In pigeons he has Pouters, Pigmy Pouters, Fantails, Magpies, Archangels and Oriental Frills.



RUDOLPH THIELE.

He also breeds Golden and Silver Pheasants and Peafowls.

Perhaps the most interesting section of Mr. Thiele's plant is his bird house. This house is the square house shown in illustration, between his residence and poultry house. This house is the home of his canaries, linnets, finches and other cage birds. These delicate little creatures live here the year around in perfect happiness; they breed, sing and prosper in this exposed condition. Their only shelter is in the enclosed part near the roof, all the rest of the enclosure is made of one-inch wire mesh. Several small pines and branches of trees are in the bottom part for perches and nesting places. It is remarkable to note how well these birds are in this house; sickness or disease is hardly known to them, and they are prolific breeders. They do not seem to suffer during Winter; often they are found hopping and chirping on the snow which in at the bottom of their house. In Spring and Summer time it is worth a trip to Mr. Thiele's home to hear the birds sing.

There is another part of Mr. Thiele's place that is worthy of mention; it is his live stock department. He has many fine head of thoroughbred horses, cattle, sheep and swine, all of the same high grade as his other stock. Everything is kept in the best of order and all work is done methodically. THE FEATHER congratulates Mr. Thiele on his past successes and extends to him its best wishes for his future work in raising fine poultry and pet stock.

A Business for All.

The poultry business is one that can be engaged in by any one who has a hen's nest of his own and can borrow a setting of eggs from one neighbor and a sitting hen from another. It requires but little capital. It can be increased as knowledge and capital and surroundings increase. The workman on his village lot, the farmer, be he large or small, the capitalist, with his city office but country seat, can all engage in this business with pleasure and profit.

Poultry does not pay some people because they do not try to make it pay.

A Boy of Sixteen.

One of the most interesting advertisers in THE FEATHER is Gerry B. Lawrence, of Ashby, Mass. He is one of the most youthful breeders and exhibitors to our knowledge who conducts a prosperous poultry business. It is strictly business and pleasure with him in raising fine birds, and already we see success stamped on his banners. Energy has done much for him; he recognized at an early age the duties required to raise poultry, and combining



GERRY B. LAWRENCE.

pleasure and love for his birds he has done what many older ones have failed to do.

It is not often one will find so youthful an enthusiast in any responsible calling, like poultry raising, who has made such decided success as he has. Everything is done on his place in a business-like way and a reason is given for the doing of it. We believe the following extracts from a letter to us will explain his success better than we could possibly do.

He says: "I began keeping poultry when I was eight years old. I bought thirteen hens and a cockerel at an auction in May. On the first day of the following month (June) I bought fifty chickens hatched that day. Two years later I bought a trio of White Plymouth Rocks. The next year I added White Wonders and Pekin Ducks. After two years I gave up the ducks, as I had to drive seven miles to the express office to send them to the Boston market and get back home in season for school at 9 o'clock.

"I have a Mann's bone mill run by water power, a Prairie State incubator, two brooder houses, two breeding pens of White Wonders and five pens of White Plymouth Rocks. I began to show my birds in 1893, at Fitchburg, but got no prizes. At Clinton in '94, Ayer in '95, Boston in '96, and Fitchburg in '97, I took over seventy-five prizes and specials. I have the best pens of birds this season I ever had and my eggs are testing very fertile. On February 19th I tested fifty eggs in incubator and found only four infertile. Under two hens, I found three infertile out of twenty-five eggs."

Practical vs. Fancy.

It is but natural that what we believe and find to be true, is what we practice and what we preach, if we are built that way; further, it is also true that to advance the particular line of business we follow, we advocate that which tends to show up our business in the best light possible.

The practical poulterer preaches no old hens must, on any account, be kept, if profit is desired, and no doubt believes it, too, and many think all laying stock is at its best when a year old. Some few allow that it is profitable to hold laying stock until two years old. Our experience leads us to think that the second year is the most profitable, and even the third, where eggs are desired, and this assertion is based on egg records and is not a jumped-at conclusion.

Possibly the practical poulterer is right when he says on no account Winter hens over two years old; but there are many fanciers, I think, who will agree with me when I say in many instances if we kill the hen after two years old we are simply cutting our throats and killing the hen that lays the golden egg. To illustrate this point I will give the record of six old hens that, to the best of my knowledge and belief are to-day over eight years old. 'Tis true that the number of eggs that they have laid have been few for the past four years, but the quality of stock hatched from what they have laid has been such that prices obtained for it would make the practical man hustle and handle a pile of eggs and poultry to get even with the profits derived from these same old hens. I can only give a record of stock sold and eggs laid by them for four years, but it will serve to show that there is profit to some in keeping old hens:

1892, eggs laid		371
1893, "		327
1894, "		218
1895, "		174
Total		1,090
Chickens raised, 531.		
Eggs sold for hatching	$	84 00
Stock sold for exhibition and breeding:		
1 chick at $50		50 00
3 " 35		105 00
2 " 25		50 00
6 " 20		120 00
1 " 15		15 00
16 " 10		160 00
39 " 5		195 00
50 " 3		150 00
118 Total	$	929 00
558 pounds sold for market at an average of 20 cents per pound		111 60
Cash total	$	1,040 60
57 head kept for breeders valued at $5.00 per head		285 00
Total	$	1,325 60

Now, my practical brother, when you say it don't pay to keep old hens for profit, just add that it depends altogether on what line of business you follow whether it pays or not. I am perfectly willing to admit that it may not pay if you are looking for eggs and caracasses for market alone, and are willing to work like time for your profit, but I am frank to say I am too lazy to handle the amount of stuff one would be obliged to in order to get the same profit I have from these same old hens. Every man to his tastes. I shall stick by the old hens as long as they pay me to do so; and shall have some getting ripe to take the place of these when gone.

The question is often asked: "How much profit can one make per head in keeping fowl?" and an estimate is given at from $1.00 to $3.50 per head! A little use of the pencil will show from this article, that much more than even the large sum of $3.50 per head has been realized. Then take your pencil and figure what 100 head of poultry will yield you at the same rate.

How soon a fellow would be rich enough to quit the business! It looks good and is easy to figure but I say to the beginner (the veteran knows it already) you cannot get this profit from 100 head; nor anything approaching it. If you will spend money enough to make yourself known, and after you are known, you own the stock to back up your advertising, and know how to mate and rear the stock and can keep it at the top notch, you can realize the figure given or nearly from a small number of birds. But when you count on this same profit from large numbers, take the word of one who has been through the mill and spent time and money to find it out, you can't do it.

As I said at the beginning of this article the fancy is my line of business, and we all try to boom the line of business we follow; but if this article is carefully read I think there will be a lesson learned from it that will take off the edge of any boom there is in it and prove a good illustration of the practical vs. fancy.

WM. M. HUGHES.

Chicken Chatter.

Whitewash often applied is a good way to solve the lice problem in a poultry house.

If you have any little chicks keep them out of the grass till the heavy dews are dried off.

Stimulate the hens with food rather than tonics. The latter is artificial and will finally do harm.

Fresh earth is an excellent deodorizer when spread under the roosts. We know some hen houses that would be better for their inmates if some earth was used in them.

Fresh air is good for young chicks, but getting drenched in a leaky house, in a tree top, or upon a fence is not the best way to produce hardy fowls from this year's chicks.

Clean out the nest-boxes once in a while, even though they have not been used for incubating. When clean give a dressing of kerosene oil, then a fresh lot of hay or straw.

Look out for the hens running at large with their young broods when the sudden heavy showers come. Teach the hens to go into their coops at night. Make good coops that will afford a chance for air to circulate through.

Never have a fear that there is a danger of the poultry business being overdone, for this large country of ours consumes more and more of eggs and poultry every year. Our supplies fall short, and eggs are imported into our cities by the millions of dozens every season.

The appreciation for fancy poultry has not yet reached as high a pitch in this country as in England. Over there fabulous prices are sometimes paid for prize poultry, running all the way from $50 to $300. With such success must come a love for the business, and this we can have.

The best customers will pay the best prices for well-dressed, well-fattened poultry. Breed the best flesh formers for market, and feed them up to as great a weight as possible. Dispose of every three-year-old hen and keep all the pullets; each pullet should be worth $2.00 as a prospective Winter layer.

The ordinary hen's egg weighs about 1,000 grains—the white constituting about 600 grains, the yolk 300 and the shell 100. Divide the contents of an egg chemically and it will be found that the white consists chiefly of water, 83 parts of 100. The other 17 parts are divided between dry albumen and salts, of the former 15½ parts and of the latter 1½ parts. The yolk is composed of a very strong solution of albumen, in which multitudes of minute globules of oil are held in suspension.

POULTRY CULTURE.

An Agreeable and Remunerative Undertaking for Women.

BY NELLIE HAWKS.

A FEW years ago the bare intimation that so seemingly unremunerative a field of undertaking as the rearing of poultry as a means of gaining a livelihood, to say nothing of the possibility of reaping from the industry an independence, would have been looked upon as absurd in the extreme and highly improbable. But to-day it is all very different. Recent years have worked wondrous changes in the lives and pursuits of women, and the culture of thoroughbred fowls has been most prominently brought to the fore, and chiefly through the instrumentality of the progressiveness and far-seeing intuition of womankind. For ages poultry was cultivated mainly as a side issue, and as such it remained until the dawning of that day of understanding and popularity of the enterprise that marks it to-day one of the chief industries of the nation.

Statistics of six years ago give the sum total of the poultry products as $600,000,000 for the United States alone, within the limit of one year, and the figures of later years have shown a constantly increasing revenue from the same source. Fowls and eggs consumed at home by individual families do not, of course, enter into the computation. The supply of fresh eggs has never been equal to the demand. Thousands of dollars are annually going out from our own country in purchase of this one staple food product so largely consumed by all classes and conditions of people.

The rearing of thoroughbred fowls for the fancier's trade is another branch of the industry in which a great number of women are engaged, and from which they have gained, and are still gaining, name and independence.

It is in the show room that woman is at her best in poultry culture. Her exhibition coops are the prettiest and neatest. By attractive cards upon them she advertises her biddies and her business. She is accorded every courtesy by her male competitors, and an appreciative public purchases her poultry, paying full value for it, and sometimes giving "fancy" prices for especially attractive specimens that may be utilized for the adornment of a Summer lawn. This woman employs the expert judge of poultry. He comes to her home, goes through her poultry yards and houses, passes upon her fowls, bands and gives each a score-card, and through large and attractive advertisements in the popular poultry journals and papers of agricultural nature she tells to the reading world what she has for sale. Upon scale of points, the price of each individual fowl depends, and it is no unusual thing for her to receive $10.00, $15.00 and even $25.00 each, for male birds that possess the many points of value as breeders. The females for breeding pens are often sold for sums of like proportions, though $5.00 and $10.00 each are more often received. These are but comparative prices, however. Much greater sums have been demanded and received; so also have fowls of thoroughbred varieties been sold for much less than even the lowest price mentioned.

Selling eggs for hatching is another remunerative branch of poultry culture. Thirteen or fifteen eggs are considered the number of eggs that shall constitute a sitting, and such eggs, from one's choicest, most valuable specimens of the breeding yards, sell at prices ranging from $2.00 to $3.00 and $5.00 per sitting. These eggs are carefully packed in baskets, and every precaution taken in the packing to insure their safe arrival at the place of their intended destination. A piece of new muslin is neatly sewn over the contents, a label in large letters that says: "Eggs for hatching. Handle with care," is pasted upon the cloth, the name of purchaser, plainly typed or written upon a tag, is attached to the handle, and with fancier's name and address conspicuously placed upon the top of basket, it is ready for shipment by express, and bears a dainty and business-like appearance that goes far toward making a business success of the enterprise. Such eggs, if fertile—and the seller should be sure that they are—and carefully packed, will go hundreds of miles and yet produce strong chicks, upon which probably depend the purchaser's "start" in thoroughbred poultry culture the following season, and hundreds and thousands of new enthusiasts are yearly "making



MRS. NELLIE HAWKS.

the start," so great is the present and growing interest in this independence-giving line of labor.

Comparatively few of the women who engage in poultry rearing ever become fanciers. More of them are employed in producing eggs and chicks for market purposes. This becomes in time, and through perseverance, a very remunerative line of the work, and especially so to those living within available distance of city markets. Let a woman once gain for herself the reputation for furnishing strictly first-class articles of the kind in which she deals, and her success is assured. With a good market within reach, her greatest trouble will be to meet the demand for fresh eggs and for fries and broilers.

The true secret of success in all lines of enterprise is in seeking the field of unsupplied demand and need, and bringing to meet it supplies that are of the best products possible, and in turn demanding therefor a reasonable but commensurate return for labor, time and investment. Choice products temptingly presented will invariably command a remunerative compensation for the producer. Inferior and ill-conditioned appearing products are considered dear at any price, and except from some one's necessity, will find no purchaser.

Women upon every side are successfully traversing the fields of poultry culture to-day. They have been doing so for several seasons past, and the present is but an object lesson and a comparative stepping-stone to the "may be" of the future. Those who understand the great possibilities and the gain and pleasure of the enterprise are earnestly pursuing this well chosen vocation.

It is not necessary that one have at the start to make a success of the poultry business all the modern conveniences of the day, though they are both convenient and desirable. Little by little one accumulates, and these will come to the persistent laborer who presides in the poultry vineyard, until surroundings have taken on a look of business and prosperity, and one's wealth in neat houses and commodious yards becomes a source of great pride and satisfaction.

A cow, a few biddies to begin with, and a garden, have opened the way eventually to many a well-established business in thoroughbred poultry culture. Women dependent upon their own resources as a livelihood have thrown down the needle, bid adieu to dressmaking, teaching or clerking, and have gone into the pure air of the country, accepted gratefully the manner of country living, have gathered about them a flock of thoroughbred fowls, subscribed for a number of journals devoted to poultry culture, have studied and read, practiced and labored, and are now reaping the reward of their undertakings.

That this industry will soon be overdone, have no fears. There remains room for thousands more where thousands have successfully trod before.

The life is a pleasant one, a remunerative one, and one filled with possibilities; and in this, as in every other branch of enterprise and industry, "there is always room at the top."—*Home Magazine.*

An Imperative Duty.

It should be an imperative duty to select male birds from a distance, and to use only pure breeds on the male side if good hatches are expected. If this is done, the loss of vigor for inbreeding will be avoided, as nearly all the poor hatches made are due to inbreeding or to the hens being fed heavily and made too fat. If eggs of normal size—not too small or not too large—and free from imperfection of the shells, are selected for hatching, the liability of loss would be greatly reduced.

Don't Blame Biddy.

When the hatch is a poor one do not blame the hen. When a clutch of thirteen eggs is placed under a hen, and she performs her work faithfully for three weeks, she can do no more. She may bring out a single chick, but that lone chick will be her evidence that, so far as she is concerned, all the eggs should hatch. All failures of hatching are charged to the hen, when the real cause is far back of her, and something over which she has no control whatever. This applies to incubators as well as to the use of hens for hatching.

The Impossible Hatching.

When an incubator hatches a portion of the eggs, there is no reason why it should not hatch all of them, if the eggs are what they should be. But the best incubator made cannot perform the impossible—hatching infertile eggs.

White Plymouth Rocks.

The first thing that suggests itself to a breeder of any one breed of fowls in attempting to say or write anything about his favorites is some comparison. Probably some time he has bred some other variety than that which he now pins his faith to. How difficult, then, for him to discant on his favorites without comparison with what has been discarded! And yet, perhaps, if his experience with the former birds had been under different conditions, his opinion might be almost the reverse.

However, although each breed will have its advocates and the most of them will be able always to show some points of excellence not possessed by other breeds, yet when it comes to the question of practical utility, and that after all is the question with most of us, the number of breeds of fowls can be narrowed down to a very few.

It is hardly necessary for me to say what the most of us who keep chickens want. It is simply a fowl that will lay eggs and lots of them and that at the same time will prove just as good as any for the table when desired for that purpose. Most people seem to think that the latter is always at the expense of the former, or vice versa. This is something, however, that I believe can be disproved, notwithstanding all the experience there may be to the contrary.



BREEDING PEN WHITE PLYMOUTH ROCKS.

In the same way that some, year by year, by judicious selection and mating, are increasing the size of their White Leghorns without in any way lessening their egg-producing qualities, strains of early and productive layers are being and have been developed among the larger breeds without reducing their size or value for table purposes.

In which way then are we to get our best general purpose fowl, by increasing the size of some one of the smaller breeds, generally at present considered the best layers, or by developing an egg-producing strain in some one of the larger breeds that already ranks among the best for table purposes? The latter would seem to be the easier and more simple plan. Phenomenal layers, and birds at the same time well up to the standard requirements, are found among all breeds, and it is by using only such, or at any rate only a limited number of the best layers, in the breeding yard that this can be accomplished.

A good example of what can be done, although we have only as yet just begun, is to be seen in the White Plymouth Rocks. Here we have a fowl that ranks among the highest as to its table qualities and has from its inception. In addition to possessing every practical point belonging to the justly popular barred variety from which it originated as a sport in the early seventies, it is, of course, entirely free from dark pinfeathers when prepared for the table, and can be bred successfully by people who are not adepts in the art and have not the facilities for mating several pens of birds.

It is to the enviable position that White Plymouth Rocks have established as layers, however, that I wish to call attention. Probably many of the readers of this article will recall the annual egg contest in 1894-'95 of one of the prominent agricultural papers, in which 224 pens of fowls were entered, 143 of which continued throughout the year. The six highest winners and number of eggs were reported in the paper as follows:

1st, eight White Plymouth Rock pullets that laid an average of 289 eggs each; 2d, eight cross-bred Leghorn pullets that laid an average of 283 eggs each; 3d, eight White Plymouth Rock pullets that laid an average of 280 eggs each; 4th, eight Single-comb Brown Leghorn pullets that laid an average of 270 eggs each; 5th, twenty-four Single-comb Brown Leghorns that laid an average of 277 eggs each; 6th, twelve Barred Plymouth Rocks that laid an average of 262 eggs each.

(The apparent inconsistency as to fowls occupying fourth and fifth places is explained by the fact that fowls winning fourth place laid the larger number of eggs at a time of the year when they were the most valuable.)

The above is only a single instance of what White Plymouth Rocks have done. We who breed them will welcome more such contests, not only because we have faith in our birds to do what is required of them, but because we believe that it is the rivalry awakened by such contests that encourages development along lines just as important as those called for in the show pen. The two should ever go hand in hand to promote the highest success.

The editor of this paper requested me in the course of this article to give a few personal notes. My experience with White Plymouth Rocks dates back only two years. After comparing the results obtained from the few I had the first year with results from two other breeds I was then keeping, I decided to give all my attention to the one breed, and so this last Fall disposed of everything except White Plymouth Rocks. It has been a most satisfactory Winter so far, both as to the egg basket and as to the healthy, vigorous condition of all our birds, and we have kept about seventy, including male birds, in three small pens which occupy only the smaller part of a half acre suburban lot.

Our pullets, the most of which were hatched in April and May, were laying steadily in November and December, except a few hatched in June that did not begin until after January 1st. One fine pullet, from which I hope to get a good number of birds for another year, began laying early in October when barely six months old and, with the exception of a short vacation when broody, she has been steadily at work ever since. At six and a half months she weighed seven pounds and to-day tips the scales at eight. The January average from not more than sixty layers, five of which were away from home a week at the Washington exhibition, was within a small fraction of thirty-six eggs per day. At the present writing, the latter part of February, sixty-three layers are averaging forty-two daily. This high average has been kept up without any forcing, as can be shown by the very high percentage of fertility of the eggs produced.

The ration is as follows: In the morning a crumbly, warm mash composed of six parts in bulk cut clover hay steamed, two and a half parts bran, two and a half parts middlings and one part ground oats. They are fed all of this that will be eaten up clean, and in addition every other morning cut green bone at the rate of one ounce per fowl. At noon a little millet and oats in litter in order to keep them at work, and at night one full quart per dozen fowls of a mixture of equal parts, wheat, corn and oats so well buried in litter that, if possible, each grain must be scratched out. Condition powders, condiments or stimulants of any kind have no place in this ration. My fowls are healthy and vigorous and I want to keep them so. But if there is one thing in this matter of feeding that I am more particular about than any other, it is that my fowls shall always be supplied with plenty of sharp, hard grit. Keep it, together with crushed oyster shell, always within their reach and I believe that half the ills which poultry, especially when confined, are subject to, will disappear.

Perhaps to many the care as described above may seem burdensome, but to those of us who love our feathered companions, if it contributes to their health and comfort and to our success, it is nothing.

J. F. DEFANDORF.

Garrett Park, Md.

An Ohio Association.

The Ashland County Poultry, Pigeon and Pet Stock Association was organized with forty members. Their first exhibition will be held at Ashland, Ohio, December 22-25, 1897. The following were elected officers for the ensuing year: President, T. H. Parkinson; vice-president, A. F. Cramer; secretary, H. A. Mykrantz; treasurer, J. W. Biant; superintendent, Samuel Kopp; assistant superintendent, J. W. Remington. Executive committee is as follows: John Deyarman, L. A. Bahn, C. W. Rollins, Ralph McAdoo and J. L. Fike.

H. A. MYKRANTZ, Sec'y.

Ashland, Ohio.

The Peoria Feathered Stock Association will hold a show at Rouse's Hall, Peoria, Ill., the first week in January, 1898. George O. Brown, Baltimore, Md., has been selected to judge.

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7,014 for April.

A. McSween, of the National Publishing Co., printers and binders, of Washington, D. C., being first duly sworn, states that his firm is printing and binding seven thousand and fourteen (7,014) copies of the April number (1897) of THE FEATHER.

A. McSWEEN.

Subscribed and sworn to before me this 14th day of April, A. D. 1897.

CHARLES S. FLETCHER,
[SEAL] Notary Public.

The Best in the World. American fanciers have collected the best breeds of poultry that the world has produced, and not content with these as developed elsewhere, have proceeded to breed out their defects and to bring them to an ideal standard of perfection. Among the egg producers, the most fastidious person can find a breed that will satisfy him in appearance and as to the number, size, color and flavor of its product. Among the general-purpose fowls, there are birds medium to large in size, attractive in feather, superb layers, hardy and remarkably economical as meat producers. Among the largest breeds, we have birds unsurpassed for size and quality, good layers, and perfect in form and feather. With birds, as with sheep, pigs and horses, the American breeder has taken the best that the world had to offer, perfected the shape, made the color and markings uniform, adapted them to his purpose and to the changed conditions of life, and developed more profitable and more beautiful breeds than were known before. As a result of this intelligent and persistent effort, we have reached a position where it is no longer necessary or desirable for us to go abroad for new varieties for any other purpose than to exhibit them as novelties, and to demonstrate even more clearly than before the superiority of what we have at home. It is no longer for us to search the world for more practical and more profitable fowls; it is now for the world to come to us and obtain the fruits of our labors, or failing in that, to see our eggs and dressed poultry invade its markets. Why should we not send millions of dozens of eggs to the markets of Europe? Why should not our fresh poultry compete with fresh beef in filling the refrigerators of outgoing steamships? There are no insuperable obstacles to such a trade. There is no natural reason why we should import eggs instead of exporting them. We can produce eggs and poultry just as much cheaper in America than these products can be produced in Europe, as we can grow beef and pork cheaper here than it can be grown there. What we need is an abundant and reliable source of supply that can be drawn upon to load a steamship or a fleet of steamships. In other words, our home markets must first be filled with our finest products and then the export trade will follow without great effort. Let us then begin to reform our own markets. Crowd the cold-storage eggs from our city tables with the fresh and delicious ones that can be offered in such abundance. Give every urban citizen an opportunity to purchase broilers and roasters that are something more than skin and bones. Make the markets show, as they too frequently fail to show at present, that we have the best in the world and that we are able to supply the world.

* * *

Two Large Plants. Two of Washington's young business men have, during the last year, built large plants for poultry raising. A year ago, Mr. John L. Waggaman opened his Long View Poultry Yards at Hyattsville, Md., and has one of the most complete plants in the country to-day. He has now capacity for raising forty-six hundred broilers, and every indication points to his ultimate success. His results so far have been more than satisfactory to him. Mr. J. Arthur McDermott is the other who has started in the business for profitable as well as fancy poultry keeping. Last Winter he began work on the Mihome Poultry Yards, in Prince George Co., Md., about nine miles from Washington, and his plant is now nearing completion. He has erected two large buildings, one-hundred feet long each, for his breeding stock. He will shortly have his brooder houses and other buildings completed and in full operation. It may be safe to predict the same success for the Mihome Yards that the Long View Yards now enjoy, and THE FEATHER wishes both gentlemen unbounded success and prosperity in their undertakings.

* * *

Still Another Enlargement of The Feather. This Month THE FEATHER appears with an addition of four pages in excess of any number that has heretofore been issued. The greater part of this increased space is devoted to reading matter. No paper has ever been more generously treated during the first years of its existence by the substantial people engaged in the poultry industry; and no paper has ever responded with so much valuable, original reading matter, and such a variety of accurate and artistic illustrations. Each number of THE FEATHER reaches a larger circle of readers than the one preceding, and we invite the attention of those who have not yet already subscribed, to the liberal offer made in another column. A number of the best periodicals in the country will be found in our clubbing list, and by following the plan which we have adopted THE FEATHER can be obtained one year free. We only make this offer in order to rapidly increase our subscription list, and we, therefore, limit the period that it holds good to one year.

* * *

Send for One. Farmers' Bulletin, No. 51, "Standard Varieties of Chickens," just issued by the U. S. Department of Agriculture, this city, is being widely circulated and should be in the hands of every one interested in throughbred poultry. The bulletin is finely printed on calendered paper, which shows the numerous illustrations to advantage. We should like to see every reader of THE FEATHER have a copy of this bulletin, and if you send your name and address to Dr. D. E. Salmon, chief of the Bureau of Animal Industry, U. S. Department of Agriculture, Washington, D. C., a copy will be sent you. Be sure you say "Farmers' Bulletin, No. 51, Standard Varieties of Chickens" in your request, so as to avoid mistakes.

* * *

The Next Session. The next session of the American Poultry Association is calculated to be one of the most important held in recent years. The revision of the Standard and other important questions are to be considered, and a large and well-attended meeting is undoubtedly necessary to successfully do the work planned for the meeting. The one place, in our opinion, where the largest-attended meeting can be held is Boston. Two years ago the session was held in Washington, last year in New York, and the coming session should be held at the Hub. No city in America is giving a better or more liberally-patronized show than is Boston, and a meeting of the American Poultry Association there during its annual show will be an event that will long be remembered. Let us all unite in supporting the coming session of our paternal organization and its next meeting place at Boston.

* * *

Abandoned for the Thoroughbred. There is no lack of interest in thoroughbred poultry. During the last month we have received numerous letters from parties who have kept poultry, dung-hill stock for unknown reasons, and have abandoned them for the thoroughbred. The conclusion has been reached after careful thought on the subject; those who have wasted their time and patience in vain endeavors to make a degenerated species pay for their keeping, are fast awakening to the fact that it costs no more to keep a prime specimen than one otherwise. The few dollars for the first outlay for thoroughbred stock seems startling to some, but for the amount invested and revenue derived, no investment is surer, safer or more remunerative than pure bred poultry. A poor thing is dear at any cost.

* * *

Popular Judge and Breeder. The popular judge and breeder, Mr. T. F. McGrew, New York City, was in Washington this month on a business trip. We were glad to have him with us and show him some of the interesting things of the National Capital. Mr. McGrew is one of our oldest breeders and authorities on poultry culture, having raised poultry uninterruptedly for thirty-two years. He is also an entertaining writer. and the readers of THE FEATHER are to be congratulated that his name has been added to our list of contributors.

* * *

A Great Offer. On page 270 of this number will be found a great offer to those who contemplate subscribing to THE FEATHER and other popular publications. By our plan one can secure two for the price of one. Such unparalleled offers were never given before as offered in this number. Read carefully each offer and send us your subscription without delay.

THE HATCHING TIME.

Selecting Eggs, Shape of Eggs, Keeping Eggs, Testing Eggs and Choosing Sitters.

THE hatching time is with us and our pleasures are complete. The advent of Spring calls us to our duties in the breeding yards. So many things must be done in so short a time that if we neglect a single opportunity the time will be lost to us and cannot be recalled for another year. Each detail must be looked after and everything done to further the work advantageously.

The very first thing to be considered in incubation is the selection of eggs. The eggs should be carefully chosen, the choice of the lay is what should be used. Eggs laid by two-year-old hens are to be selected in preference to those of younger birds. The reason is obvious; those laid by older birds are found to be more certain in hatching, and the chicks much stronger, no matter what the breed may be. The first eggs laid by young pullets seldom, if ever, give good results. A good plan of mating is to use a cockerel with two-year-old hens and a two-year-old cock with yearling pullets. A vigorous young cock to two and three-year-old hens will always give the best and strongest chicks. A two-year-old cock bred to one-year-old pullets will be found much better as a sire than a young bird in connection with pullets of his own age.



FIG. 1.

As regards the shape of eggs for incubation, it is clearly determined that the regular, medium, well-formed—without extreme length, or very small or very large ends, or palpable indentations of any kind—are the best for hatching purposes. And, as regards size, they should neither be too large nor too small—for the variety. Over-sized eggs of any kind are, almost invariably, double-yolked, and therefore useless for setting. Under-sized eggs (distinctly so) are not so good as the average middle size. In all cases the shells should be smooth, hard-surfaced, without wrinkles or furrows, and of medium dimensions and proportions. The eggs should be fresh—the fresher the better—but the length of time that is safe to keep eggs for setting greatly depends upon the time of the year and the place in which the eggs are stored. Fresh eggs will keep in a cool place (if fertile) three or four weeks and be suitable for setting. Eggs when so kept should be handled carefully, and packed in bran in a dry, cool place until needed for use. Turn them twice a week.



FIG. 2.

It is not well to place too many eggs under the hen; far better results are obtained by using a smaller number of eggs to the sitting. Nine eggs are far better for an ordinary-sized hen than a greater number. A full grown hen will completely cover this number continuously in a properly prepared nest, while the crowding of thirteen under a common-sized fowl will expose those on the outside to the dangers of "chilling." The lesser number, therefore, will be more certain to produce chicks than the greater. In warmer weather—May and June—the eggs may be increased with equally good results.



FIG. 3.

The sitters should be chosen of a breed characterized by persistence and regularity in incubation, fidelity to their chickens and gentleness of disposition. Of course, it is difficult to say just what kind of fowls one shall use; circumstances must govern this, and we are sure each breeder will set just the kind he has when they become broody and he has the eggs to go under them. We might suggest that the medium-sized fowls, those of the American class, give the best results. Last month we gave at length the nests for sitters, with various plans for making them, so will pass over that important part of the hatching time to that of testing the eggs.

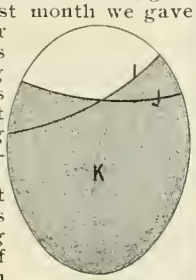


FIG. 4.

It is well to acquaint yourself as early as possible with the egg at different stages of incubation, as such knowledge in many cases will save you from disaster and loss. Eggs should be tested on the fifth or sixth day, when all clear or infertile eggs should be taken out. Remove the hen and hold each egg between the eye and light. While the eggs may be tested in the manner as above described, the better plan would be to use an egg tester, which more clearly shows the germ.

Fig. 1, shows a strong, fertile egg as seen through the tester on the sixth day after the egg has been placed under incubation. B, is the live germ; A, are the blood vessels extending out from it. The germ B is easily seen by placing the egg against the aperture of the tester and revolving it between the thumb and finger until the side on which the germ has formed comes nearest the eye. The germ appears like a small cloud, and shows a strong fertile egg that should hatch under a hen or an incubator. C, shows the air space on the sixth day. Fig. 2, is a weak or imperfectly fertilized egg. H, is an oblong or circular blood-vessel which has started to form; the germ G is too weak and without blood-vessels. This egg will not hatch. Fig. 3, is a stale egg, and is distinguished by the very large air space E and the dark cloudy appearance shown by D. There is no possible chance for such an egg to hatch. If an egg is infertile and fresh when placed under incubation, when tested on the sixth day, the yolk looks somewhat darker than the rest of the egg, but does not look muddled or specked. Fig. 4, shows a live egg on the sixteenth day. The dark space K shows the proportion of the egg occupied by the chick. The lines I and J, show the air space, which may be on top or at the side, as indicated by the lines.


FIG. 5.


FIG. 6.


FIG. 7.

The egg while under incubation undergoes rapid changes, hardly being the same any two days during the period. The little spot in the center of the yolk, after twelve hours of incubation, assumes an irregular outline, with a tendency to shoot or spread out on all sides. Four hours later shows them yet more enlarged and getting into an oval shape, with a distinct though somewhat broken line down the center. At thirty-six hours there is a still greater increase in the germ, and a spreading of its mottled margin over a portion of the yolk, as shown in Fig. 5.

On the fourth day the chick is a still more strange looking object, with projecting eyes with rings around them, as seen in Fig. 6. The first resemblance to a chick is on the tenth day, and bones have begun to form, as shown in Fig. 7. A great change has been going on in the interior; the chick has increased in size; the red veins have become more numerous and spread over the entire surface, and the yolk is scarcely distinguishable from the other portions. The pupil of the eye has become distinct on the eleventh day, and the projections of the wings and stump of the tail are clearly perceived. Larger and larger the creature grows, until it fills all the space and has to double up in a curious manner, with the feet brought together and the bill close to the shell. On the twenty-first day the chick chips the shell for liberation, makes its bow and begins life in earnest from the time it leaves the shell.

Adirondack Poultry and Pet Stock Club.

The second annual meeting of the Adirondack Poultry and Pet Stock Club was held at Kennedy Hall, in the city of Johnstown, Feb. 17, 1897. The meeting was largely attended by enthusiastic fanciers, the following officers elected: President, Frank Randall; vice-presidents, W. A. Fuller, James F. Mason, Jr., W. H. Finehout, E. W. Kelderhouse, F. B. Zimmer, W. P. Miller, W. G. Douglas, G. G. Rothaupt, George W. Baird, H. C. Alvord; recording secretary, Max M. Wilms; corresponding secretary, H. J. Quilhot, Johnstown, N. Y.; treasurer, J. A. Spraker. Executive committee: A. Verleger, B. W. Mosher, J. H. Parks, Garrett Plantz, C. E. Wormouth, Thomas Parker, Wm. Spoll, George Mead, John S. Gross, Joseph Shull.

Much enthusiasm was shown in regard to our next show, which will be held in the city of Johnstown, N. Y., November 24-27, inclusive, 1897. We intend to hold the banner show of the season.

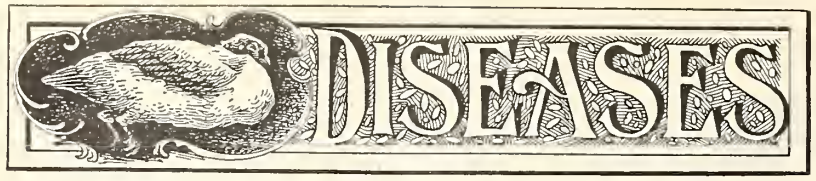
Fraternally
H. J. QUILHOT, Sec'y.
Johnstown, N. Y.

A Great Business.

Editor The Feather:

I am having a great business this year and you deserve a share of the credit. My egg trade is tremendous. J. W. SHAW.
Brockton, Mass.

When writing our advertisers always mention THE FEATHER.



CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Diseases of the Crop.

Paralysis of the Crop, Impacted Crop, Obstructed Crop.

BY DR. D. E. SALMON.

[*Concluded from last month.*]

THE crop may be overloaded with dry grain, and its thin muscular walls distended, exhausted and paralyzed so that the organ cannot be emptied; or, the opening into the lower portion of the œsophagus may be clogged with dry leaves, feathers, straw and other indigestible substances swallowed by the bird; or, finally, the walls of the crop may be paralyzed in some diseases, as, for instance, in cholera and diphtheria, and, as the bird continues to eat, this receptacle becomes over-distended and packed solidly with food. In these different cases the symptoms are almost identical and the treatment must be conducted on the same principles. It is convenient, therefore, to group these different conditions together and consider them for practical purposes as constituting one disease.

CAUSATION.

Improper feeding is to a great extent responsible for impaction of the crop. Birds that are half starved or that have had no grain for a long time are liable to eat too much if they at once have access to a large quantity. Again, birds which have contracted catarrh of the crop from improper treatment frequently have depraved appetites and may fill the crop to repletion with food and all sorts of indigestible substances. It appears, therefore, that, with the exception of those cases of paralysis due to the poison developed in the course of the contagious diseases, and of those cases of obstruction resulting from the accidental swallowing of pins, nails, large pieces of dry bones, pieces of thread or cord and similar substances, this disease is caused by irregular or improper diet and a failure to maintain those hygienic conditions necessary to good health. An insufficient supply of drinking water is, also, regarded as a cause.

SYMPTOMS.

The affected bird has difficulty in swallowing or entirely loses its appetite. The crop is greatly distended, the swelling sometimes being of remarkable size. It is hard and more or less firm and unyielding on pressure. Sometimes a fermenting or decomposing liquid escapes from the mouth and nostrils. The bird is slow in its movements, dull, stupid and sleepy. The comb is pale, the beak is kept open on account of the pressure on the trachea, and the feathers appear rough. In some instances sharp-pointed nails or other pointed objects are found to have penetrated the crop and skin and remain projecting from the puncture.

The pressure of the distended crop upon the windpipe and blood-vessels may cause asphyxia, the crop may become affected with gangrene, or it may even be ruptured. As much as three-fourths of a pound of moist or even sprouted grain has been removed from the crop in these severe cases.

TREATMENT.

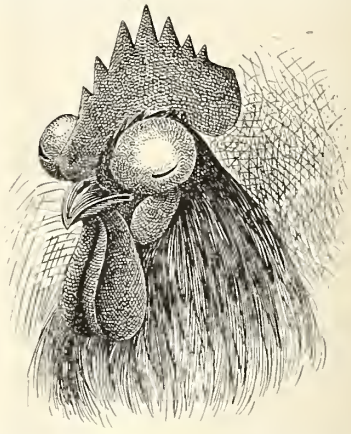
The treatment of affected birds should be prompt and energetic to avoid the fatal complications which have been mentioned. Pour a small quantity of sweet oil into the mouth and cause the bird to swallow it. Then manipulate that portion of the crop nearest the throat by careful pressure and squeezing between the thumb and finger in such a manner as to break up the contents of the crop and force it towards the mouth in small portions. Suspend the bird head downwards from time to time and press the loosened particles of food towards the head so that they will escape from the mouth. With care and patience the crop may be entirely emptied in this way, if oil is administered as often as is required to soften the contents. After this is accomplished give two grains of baking soda in water, keep without food for a day, and then feed sparingly on soft diet until recovery is complete.

In case the crop contains hard-pointed objects which cannot safely be manipulated in the manner just described or if such attempts at removing the impacted matter are for any reason unsuccessful, the crop must be cut into with a knife and the contents removed through the artificial opening. In order to perform this operation properly, the feathers should be clipped off with a pair of scissors over the most prominent part of the crop so that they will not obstruct the cutting or get in the operator's way when he is removing the contents of the crop. Now take a sharp, clean knife and make an incision through the skin and the wall of the crop until the food in this organ is reached. This opening should not be much over an inch in length, and should be rather high on the crop so that the food will not have the same tendency to press it open when healing as it would at the most dependant part. The contents of the crop should be carefully removed with the finger, or with the handle of a spoon or some other convenient object. The wound may now be washed with a solution of carbolic acid, five drops to one ounce of water, and closed with stitches. White silk is the best material to use for this purpose. Some stitch the walls of the crop first, allowing the ends of the silk to hang outside, so that after five or six days the thread may be cut and the stitches pulled out. The skin is drawn together in the same way. Other operators prefer to stitch through the skin and the walls of the crop at the same time, drawing them carefully and neatly together. In five or six days if the union of the parts has taken place, cut the stitches and carefully draw them out so that they will not interfere with perfect healing. After the operation has been performed, give no food and only a small quantity of water, to which a grain or two of salicylic acid has been added, during the first twenty-four hours. Then feed with milk for two or three days, gradually changing to mush or more solid food and finally return to the ordinary diet when the wound heals.

With fowls, this operation is not serious, if performed in time, the wound readily heals and the birds are soon well. With pigeons, it is usually fatal on account of the sensitive and vascular condition of the mucous membrane of the affected part.

Contagious Catarrh.

The accompanying illustration shows a common form of contagious catarrh. This catarrh begins as an inflammation of the mucous membrane which lines the nasal chambers, and extends along the passage connecting these with the orbital space or cavity surrounding the globe of the eye. The result is catarrh of the membranes surrounding the eyes as well as that lining the nostrils. Now the orbit or bony cavity in which the eye is placed is in birds relatively very large and has an angular projection towards the beak. There is consequently considerable space between the eye-ball and the bony walls surrounding it, which is known as the orbital space or orbital sinus. In contagious catarrh the inflammation is often so acute that the membrane lining this space becomes ulcerated, the secretion is thick,



Head of bird affected with contagious catarrh.

yellowish and cheesy. This secretion obstructs the channel leading to the nose, accumulates around the globe of the eye, and forces the eye-ball out of the socket. There is also a similar process in progress on the inner surface of the eyelids. We have here an explanation of the enlargement and the projection of the eyes. At the same time the thick secretion collects in the nasal passages, presses down the palate, obstructs the breathing, and prevents swallowing. When the disease reaches this stage it is usually fatal in spite of treatment. Megnin states that contagious catarrh is readily cured by washing out the nasal cavities and eyes with a 5 per cent. solution of sulphate of copper. This solution may be injected into the nostrils with a small syringe. Further information concerning this disease will be found by consulting the February number of THE FEATHER.

For Tape Worms.

When birds are affected with tape worms give the following: Mix equal quantities of oil of turpentine and castor oil and give from one-half to one tablespoonful at a dose. Repeat daily for two or three days.



CONDUCTED BY J. C. LONG, NEW YORK CITY.

THE SHOW HOMER.

A Bird that is of Graceful Outlines and Possesses Energy and Intelligence.

BY VICTOR WOODFIELD.

THE Show Homer is but little known in America and has but very few adherents. Why such is the case it is hard to understand, for our American people are noted for taking up any breed or variety that shows true artistic outlines and that possesses gameness. These characteristic qualifications the Show Homer displays forcibly. There is not a more symmetrical or a more racy-looking pigeon than the Show Homer. Built upon the most graceful lines, and having an eye expressing both energy and intelligence, it appeals strongly to every fancier who loves and admires these very qualities possessed by this noble pigeon.

The Show Homer must not be confounded with the Homing Pigeon, as they represent two distinct varieties, although to a very great extent akin to one another, the former being a descendant of the latter, it, of course, being understood that several other varieties have been used as crosses in order to bring the Show Homer to its present standard of perfection. The Show Homer of the present day represents a type of pigeon with beautifully even head of perfect sweep, neat wattle, small quantity of eye-cere of fine texture, and the most symmetrical body of any known variety of pigeon. To prove what I state, if any of my readers are ever in the old country, and will visit any of the large shows, they will have the opportunity of seeing some of the most beautiful specimens of pigeons of this variety it has ever been their lot to see. The variety is of a very prepossessing appearance, and this no doubt accounts, to a very great extent, for its immense popularity. As much as $250 has lately been given for a single bird of this breed, but, of course, such prices are only obtainable for birds of extraordinary merit.

The breeding of Show Homers is now creating a great deal of attention among English fanciers, and not only is much attention required, but a thorough, practical knowledge of systematic and judicious mating, and this necessitates a careful study of the principal points which make up such a combination of perfect qualities. The chief characteristic of the Show Homer is the head, which is of medium size and well filled up, that is, a gradual curve from the tip of the beak to the back of the head, forming an unbroken curve. The part of the skull behind the wattle, and from the mouth to the eyes, is full, without any gaps or hollows, and the *tout ensemble* is free from any angular appearance. The eye-cere is very fine in texture, dark in color and small in quantity; in fact, the less the quantity the more meritorious is the bird. The favorite color of the eye is pearl or white, and it is astonishing to see the beautiful appearance the white eye gives compared with the dark-red or orange-colored eye. The beak is of medium length and thickness and close-fitting. The distance from the tip to the corner of the eye is about an inch and a quarter. As regards the wattle, it is neat and close-fitting, being well within the prescribed curve of head and beak.



BLUE SHOW HOMER COCK.

A well-proportioned body is essential in all varieties of pigeons, and especially in the Homer. The Show Homer is a variety which possesses wonderful development of chest; the shoulders, too, are well developed and give one the idea that there is plenty of strength hidden beneath the closely-folded feathers. The general appearance of the body is that it is short and thick-set; the wings are well carried and the flight feathers short and broad, well overlapping each other, which denote that they are capable of powerful locomotion. In some breeds a large tail is a necessary qualification, but it is just the opposite in a Homer. The tail is short, closely folded and carried in a good position, resembling one feather when viewed from the top. The legs are of medium length and well proportioned.

The standard colors are divided into four classes, as follows: Chequers, self-colors, pieds and grizzles. These may be again sub-divided into various shades and markings. The favorites are chequers and self-colors; chequers predominating to a very great extent, and I believe I am right in stating that the number of Black and Blue Chequer Homers exceeds the aggregate number of all other colors. Chequers, as the name signifies, are a dappled combination of two colors—one dark and the other light—on the back, wings and other portions of the body. The chequering radiates from the bars up to the top of the shoulder. The three principal self-colors are silver duns or mealies, blues and silvers. The designation "pied" signifies that some portion of the plumage is splashed with white; a bird of any of the previous-mentioned colors marked in this way is classed under this heading. Grizzles are a sort of mixture of pepper-and-salt blend and not in any way splashed, the color being well know to breeders of the variety of pigeons named Dragoons. The standard of perfection for the Show Homer is as follows:

Head and Beak—To form one unbroken curve from back of head to tip of beak.

Beak—Of medium length and substance, measuring from one and a quarter inch to one and three-eighths inch to the corner of the eye.

Eye—White; bright and well set, with a wild appearance.

Cere—Fine and hard, dark preferred.

Neck—Not too long, thick at base, tapering well to the throat, which should be well cleaned out.

Body—Of medium size, short and wedge-shaped; back broad, flat and straight; good depth of keel; chest broad; shoulders strong and well carried, with straight breast and vent bones well up.

Feather—Flights short and broad, well overlapping each other to the end.

Tail—Not too long, well drawn together and well carried.

Condition—Hard and firm.

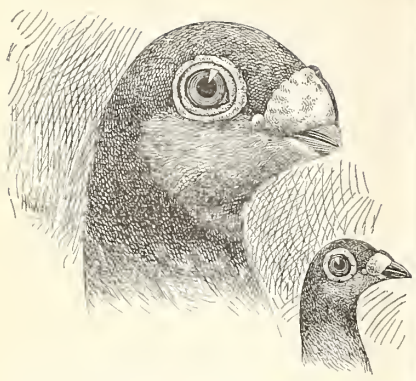
Color—Sound throughout; in chequers, clear and distinct.

Legs—Of medium length, clean, strong and well set.

Carriage—A bold, upstanding and workmanlike appearance.

Their Next Event.

The exclusive pigeon show of the Western Pigeon Club will be held at Topeka, Kans., December 14-21, 1897. Mr. F. M. Gilbert, Evansville, Ind., has been engaged to judge. At the last show of this club 800 birds were handled, and indications are that entries for the coming show will exceed this number. Mr. M. F. Hankla, Topeka, Kans., is secretary, and will give any information desired.



HEADS OF SHORT-FACED AND LONG-FACED SHOW HOMERS.

The American Pigeon Conference.

For the benefit of the pigeon fancy every fancier and breeder is requested to join the American Pigeon Conference. The objects of this association have previously been published, the main object is the advancement of pigeon culture. Any member who is a member of any specialty club that has endorsed the American Pigeon Conference can become a member for fifty cents per year annual dues, payable in advance, any person not a member of any specialty club which has endorsed the American Pigeon Conference can become a member upon payment to the secretary of one dollar annual dues. You are invited to join. The conference bands will be distributed by the maker this year, Mr. Thomas Willetts.

Peoria, Ill. C. W. ROBISON, Sec'y.

Their Regular Meeting.

The Massachusetts Columbarian Association held its regular meeting on March 19th. After the regular business and admission of three new members, Mr. T. Connor judged the birds shown, and Mr. George Feather won all the money and the silk ribbons, taking first, second and third places. His collection of young Owls in Blues were a fine lot and no doubt will surpass the old ones a little later on. It is small wonder they won, for they had previously won at Reading, Pa., Plainsfield, N. J., New York and both the Boston shows. Coming from so renowned a loft and in a fair way to excel the old stock with a little age, it is fair to presume Mr. Feather knows how to breed the Owls. At the previous meeting A. T. Berry had the honor to take first, second and fifth places with Homers, Mr. Horsman getting third and fourth places. A. T. BERRY, Sec'y.

Mr. Fick's Acceptance.

Editor The Feather:

Having been elected secretary and treasurer of the Swallow Club, I wish to thank the members for the honor and the confidence they have placed in me. It shall be my aim at all times to advocate what I conscientiously believe to be the interest of the club and the prettiest of all toy pigeons, the Swallow. I shall try to perform the duties in a correct and satisfactory manner and hope the members will assist me by offering suggestions which they think will be a benefit to the club. All breeders of Swallows should join the club and assist to place this neglected variety at the top of all toys, where it rightfully belongs. G. A. FICK, Sec'y-Treas.

American Turbit Club Specials.

Editor The Feather:

The executive committee of the American Turbit Club respectfully submits to the club's members and to the fancy in general the following line of club specials to be offered at the next great New York show, with the provision that that exhibition offers satisfactory classification. If the classification is not satisfactory the committee reserves the right to select any other exhibition, which, in its judgment, shall meet the full requirements: Silver cup for the best Blue-wing Turbit (cock or hen), bred in 1897; silver cup for the best Black-wing Turbit (cock or hen), bred in 1897; silver cup for the best Red-wing Turbit (cock or hen), bred in 1897; silver cup for the best Yellow-wing Turbit (cock or hen), bred in 1897; silver cup for the best Any Other Color wing Turbit (cock or hen), bred in 1897; silver cup for the best Turbit cock in show; silver cup for the best Turbit hen in show. The club feels justly proud of this list and we believe it should serve to bring into the club any Turbit men who have not yet sent in their names.

W. W. KLINE, Sec'y-Treas.
Box 488, Reading, Pa.

The New Officers.

The Swallow Club elected the following officers to serve for the ensuing year: President, Fred. Heintz, Boston, Mass.; first vice-president, Aug. Joos, Peoria, Ill.; secretary and treasurer, G. A. Fick, Baltimore, Md. Executive committee: Thos. Jenner, Detroit, Mich.; W. J. Schaedler, Louisville, Ky.; W. C. Earnhardt, Greenville, S. C.; O. F. Mittendorf, Lincoln, Ill.; E. L. May, Indianapolis, Ind. Fanciers of this beautiful variety of pigeons wishing to join the club will please address

G. A. FICK, Sec'y-Treas.
1300 N. Washington St., Balto., Md.

Pithy Paragraphs.

Pigeons, like the Roman Empire, have their rise and fall. Just now Jacobins are in the ascendency and Turbits on the decline. Why is it?

The display of pigeons at the various Winter shows was, as a rule, superior in quality to previous displays, which proves that our breeders are better versed in the principles of breeding than their fathers, hence the improvement in quality.

The French Huguedots who settled in and around the manufacturing towns of England were all more or less pigeon fanciers, and no doubt those that came to this country brought some of their pets with them, and were the real introducers of the pigeon fancy in America.

Mice often disturb the setting birds. A well-trained-cat will clean out these varmints. To have one well trained it should be brought up from a kitten in the loft when the birds will become accustomed to it, and it will move about among them, never molesting the young birds and yet keeping the loft clear of rats and mice.

Usually when Archangels are mentioned the mind turns at once to the beautiful specimens with the rich copper-colored neck and greenish, bronzy-black body plumage; but there are several other varieties of the Archangel peculiar to Germany, such as those with blue wings with black bars, also blue wings with white bars, and with white bars, white heads and white flights; also black wings with white bars, and black with white heads and white flights. All have the copper-colored neck, which is the distinctive mark of the Archangel with the peak or point of feathers at the back of the head.

In most sections where the old birds were mated early there will be plenty of "squealers" running about the lofts. As soon as these young birds are able to run about they should be separated from the parent birds, who then can go on with their breeding undisturbed; otherwise some overgrown and persistent "baby" will make their life miserable teasing to be fed. By having a separate room, which need not be large, and placing one or two old cocks known to be good feeders, as some are, among them, they will soon learn to care for themselves, even if too young to do this when first separated. By putting them by themselves the little fellows are saved from the danger of being abused by pugnacious cocks that will not stand the youngsters' persistent teasing and reply to their demands by pounding their heads to a jelly. J. C. LONG.

Judge and Fancier.

The pigeon fanciers in and around the National Capital will be pleased to know that Samuel E. Rabbitt is about to start in the fancy again. He is now arranging for a large importation of Pigmy Pouters, which are his favorites



SAMUEL E. RABBITT.

in the Columbarian race. Mr. Rabbitt is well known to the fancy at large, and it was with regret that the announcement was made a year ago that he was compelled to dispose of his loft of birds. He is now so situated that he can keep his pets in his usual way and all fanciers will look with expectancy to his lofts for some gems in Bantam Pouters. At the late Washington Show Mr. Rabbitt made his debut as a judge of pigeons and the satisfaction he gave in his classes has stamped him "popular" already. Pigeons have always been a hobby with him and the pleasure derived from their breeding has been his reward. When genuine pleasure is had in any calling it makes the joys of that calling complete. We remember when Mr. Rabbitt entered the aisles to judge, he remarked that he would "do the best he could," and we are sure his best was an easy equal to many others who have for years donned the Fauntleroy cap, linen duster and an austere, puzzling and owl-wise countenance. His friends are glad that he will resume breeding and hope that since he has entered the arena as judge, he will continue in the work without abatement.



RECORD MAKERS.

The Home of the Wonderful Flyers of the Royal Blue Line Lofts.

HOMING PIGEON fanciers throughout the country, and we might add, the world, are in a measure familiar with the Royal Blue Line lofts and the wonderful flyers that know it as their home. Mr. Theo. P. Green has spared nothing in the making of his lofts; time, money and perseverance have been lavishly bestowed in its making; common sense and business methods have marked its progress, with unbounded success as a reward. Mr. Green is an enthusiast on the Homer; he loves their wonderful intelligence, active natures and beautiful plumage.

These lofts contain an aggregation of record makers and record breakers that is hard to equal. Birds that have made history are to be found here, and their names will be recognized as champions in their classes. The following is a list of his birds and their records:

Darby, 1,183 miles in 15½ days; Joseph, 1,183, 16½ days; Johanna, 1,183, 26 days; J. Carter, 945 9-10, 19¼ days; Charlotte, 700; Pegram, Jr., 700; Benny, 700; Edwards, 650; Capt. Chester, 550; Lieut. Magill, 550; Hammond, 550; Abbie, 550; Red Jacket, 550; Lady Washington, 550; Rags, 545; Missy, 541; B. Voltz, Jr., 540; King, 540; Duke, 540; Madame Crozy, 540; Flossie, 540; Violet, 540; Miss Lucy, 540; Miss Dorothy, 540; Vanuxem, 535; F. C. Richter, 535; McIntire, 535; Hudson, 535; H. S. Fogel, 535; Theo, 530; Nellie, 530; George W. Childs, 525, in the day; Public Ledger, 525, in the day; St. Thomas, 525, in the day; S. O. Perry, 525, in the day; Garnier, 525, as youngster; Wade, 525, as youngster; Young Roscoe, 525; London, 525; Newberry, 525; Cresson, 525; Lazy, 515; Ethel, 510; Annie, 510; Watson, 510; Hancock, 510; Diddlebock, 510; Deacon, 510; D. Mills, Jr., 510; Princess, 510; Clarence, 510; Bertha, 510; Bessie, 510; Andrews A, 510; Andrews B, 510; Andrews C, 510; Andrews D, 510; Martha, 480.

The present Royal Blue Line lofts were erected in 1895, after Mr. Green's own ideas and at an extensive outlay. The ground dimensions are twenty-four by twenty feet, and in height they are thirty feet. They are divided in such a manner that two rooms are on the ground floor, each twelve by twenty and twelve feet in height, and two rooms on the second floor, each twelve by twenty and eighteen feet in height. Heavy wire doors are in the center of each dividing wall, giving a circulation of air as well as an entrance to each room. The lofts have sliding windows, which are taken out in the Summer, and in their places are substituted flying traps, emptying six birds to a trap.

One of the ground floor rooms is utilized as a store and mixing room, and contains the feed bins and stock. A flying-out loft occupies the floor above. The other half of the loft is occupied exclusively by his many breeders, and is commodious enough to insure perfect exercise and development to the stock which is now so well known to fanciers.



THEO. P. GREEN.

Mr. Green believes that the breeding of Homing Pigeons is scientific, and should be conducted on a business-like basis. With these ideas in view he constructed his new lofts, as shown in illustration, and their use has demonstrated what a successful pigeonry should be. Pure running water is a feature; the lofts are kept in a perfect state of cleanliness; the floors are scraped clean and sprinkled with white sand; whitewash and carbolic acid are used at frequent intervals, and fresh sawdust is distributed periodically. A record is kept of each bird hatched; the food is administered with care; nothing is wasted, nothing done by guessing, and nothing passes unrecorded.

Mr. Green always has a reason for everything he does, and he gives some very good reasons for what he has done. He says:

"Some fanciers are inquiring, no doubt, what motives underlie these many excellences of government—the tenderness of care, the cautious observance of sanitary law, and the luxuriance of accommodation. It is simply because I am a business man, as well as an enthusiast, and an incidental object with me is to make money.

"I believe my lofts to be perfect, and the treatment of my breeders scientific, because these conditions add to the intrinsic value of the breeders and to the development and stamina of the birds hatched. The advantage of producing a superior bird for the sake of the premium which it commands above the price of other grades is evidenced by the records made by my stock as well as by the price which it commands. I find pigeons developed after my plan are far better investments than money put out at fifteen per cent. In mating I study for the best results, as much for my customers as for my own lofts."

Mr. Green has shipped birds safely to California, Cuba, England and Australia. He guarantees satisfaction to his customers or money will be refunded. With every bird he sells he gives a pedigree.

No doubt it will interest the reader to know how he feeds his birds, as proper food has much to do with the health and profitableness of the birds. He says about feeding: "For a good supply take 100 pounds of sifted, coarse cracked corn, one-half bushel of whole corn, one and one-half pecks of Canada peas, one and one-half pecks best wheat, and mix well together. Give the birds just what they will eat at one time, so that nothing will be left from one day to the next."

Mr. Green has at present 100 pairs of Homers (1896 hatch), aluminum seamless bands, bred from pedigreed birds. All of them are fine specimens of the perfect Homer—large, healthy and strong—and are, no doubt, winners in the show pen. They are mated up for grand results—no inbreeding—and every customer can look for unbounded success in breeding these birds for flying and the show.

[At some future date we will publish an illustrated article on Mr. Green's Royal Blue Line poultry yards. The success which he has had in breeding Homers assures us that his success will be equally as great in breeding his latest idea—Buff Cochins.—ED.]

When writing our advertisers always mention THE FEATHER.



"Darby," world's champion record-breaker; flew from Pensacola, Fla., to Fall River, Mass., a distance of 1,183 miles, in 15½ days.

Washington District.

The local Homing Pigeon fanciers are now making their preparations for the Spring races, and every Monday night may be found at the regular meeting place of the Washington District of the National Federation of American Homing Pigeon Fanciers perfecting their arrangements.

The large majority of Washington's active followers of this sport have recently effected a consolidation, and, with all the prominent lofts represented, an unusually successful season is anticipated.

The National Federation of American Homing Pigeon Fanciers, incorporated under the laws of the State of New Jersey, is the only recognized general body of Homing Pigeon fanciers in the United States, and Washington District is the local section.

The preliminary training of old birds, *i. e.*, birds hatched prior to or during the preceding calendar year, begins about the 1st of April, the birds being first taken short distances from home and liberated a number of times in different directions from the city. After this the training is done from one direction only, and the distance is gradually increased until the 100-mile station is reached, when the racing or record flying begins.

The schedule of races includes 100, 200, 300, 400, 500 and 600-mile stations, the birds of each district all being shipped and liberated together.

A new device has been adopted by the National Federation for timing the arrivals, and all birds flying under its rules must be timed with this device, which has a double watch movement, permitting the registration of at least two birds, and the "watcher" nuisance is abolished.

All reputable fanciers within a radius of ten miles from the Capitol are eligible to membership in the local district, which now embraces nearly all of our active fanciers. The prospect for brisk competition is exceptionally bright, the number of birds represented being in the neighborhood of 1,000; but this, although a large number, is not a proper showing, as it is evident from the large number of bands used for marking the hatch of Homers for one year (about 4,000) that many fanciers are not actively engaged in flying their stock or are not aware of the existence of an organization having in view the training of these birds under equable rules and at moderate expense.

The rules of the Washington District provide for the shipment and liberation of all birds together, the expenses of each race being assessed pro rata among the participants according to the number of birds shipped.

The present officers of the district are: A. C. McLean, president; Volney Eaton, vice-president; G. W. Tucker, secretary; Frank Reamer, treasurer, and Frank Reamer, W. H. Keyworth and H. C. Kidwell, race committee.

Meetings are held every Monday night at 8 o'clock at No. 1236 Eighth Street, northwest.

The schedule for the Spring races is as follows: 100 miles, Chester, Va., May 9th; 200 miles, Kittrell, N. C., May 16th; 300 miles, Rennert, N. C., May 23d; 400 miles, Kingstree, S. C., May 30th; 500 miles, Hardeeville, S. C., June 12th; 600 miles, Woodbine, Ga., June 26th; 875 miles, Punta Gorda, Fla., on some day in June to be decided on later.

Wonderful Indeed.

One day a wonderful bird tapped at the window of Mrs. Nansen's home at Christiania. Instantly the window was opened and the wife of the famous arctic explorer in another moment covered the little messenger with kisses and caresses. The Carrier Pigeon had been away from the cottage thirty long months, but it had not forgotten the way home. It brought a note from Nansen, stating that all was going well with him and his expedition in the polar regions. Nansen had fastened a message to a Carrier Pigeon and turned the bird loose. The frail courier darted out



ROYAL BLUE LINE LOFTS, WOODBURY, N. J.

into the blizzardy air. It flew like an arrow over a thousand miles of frozen waste and then sped forward over another thousand miles of ocean and plains and forests, and one morning entered the window of the waiting mistress and delivered the message which she had been awaiting so anxiously. We boast of human pluck, sagacity and endurance, but this loving little Carrier Pigeon, in its homeward flight, after an absence of thirty months, accomplished a feat so wonderful that we can only give ourselves up to the amazement and admiration which must overwhelm every one when the marvelous story is told. Mrs. Nansen's pigeon is one of the wonders of the world.—*The Churchman.*

[We imagine the fanciers of Homers will go wild over this wonderful bird, and can already hear of the fabulous sums offered for it. Imagination can hardly picture the flight over a thousand miles of frozen waste. It is indeed a wonderful bird. (?)—ED.]

The Liberty Club.

The membership of the Liberty Homing Club, of Baltimore, Md., is composed of young men who reside in the northern section of the city, and all have bred and flown Homers for some time. The club has five members with a total of 300 birds, and there are to be found among them some of the best strains in the country. The members are: J. Becker, J. Christian, J. Poisal, I. Martin and W. Armstrong. But the number is expected to increase, as applications are coming in daily. The club has decided on the following schedule for old bird races for this year: April 18th, Odenton, Md., 20 miles; April 25th, Landover, Md., 34 miles; May 2d, Calverton, Va., 84 miles; May 9th, Coresville, Va., 160 miles; May 23d, Bedford City, Va., 210 miles; June 6th, Lexington, N. C., 310 miles; June 20th, Spartansburg, S. C., 410 miles; July 4th, Mt. Airy, Ga., 501 miles; July 18th, Montgomery, Ala., 700 miles; August 1st, Pensacola, Fla., 855 miles.

Washington Star Homing Club.

At a meeting held at 1433 P Street, northwest, on Tuesday evening, March 9th, to reorganize the Washington Star Homing Club, the following officers were elected: President, Mr. Clyde Moore; vice-president and treasurer, Mr. Fred. H. Anderson; secretary and race representative, Mr. G. C. Clumm.

In this club there are some birds from good strains; therefore, its members expect to have some very exciting flights during the coming season.

R. F. DAW.

Going Blind.

A lotion of chloride of zinc, six grains, distilled water, four ounces, applied frequently with a piece of sponge is recommended for pigeons going blind.

Nests for Pigeons.

Editor The Feather:

Please describe in the next issue of your nice paper, THE FEATHER, how to make nests, arrange nest pans, and also if tobacco stems and sawdust are good materials to be used, the sawdust to pack around the nest pans and the tobacco stems to make the nests of. Also, when you have plenty of space, the plans of an aviary and other appliances for a Homing Pigeon loft.

Washington, D. C. "JACK SPRATT."

[The best nesting material is straw cut in six-inch lengths, well rubbed, and sawdust. A layer of tobacco stems will do for bottom of nest pans, but it is hardly to be recommended for the entire nesting material. Nest pans should be placed in boxes, the floor being covered with sawdust. Each pair of birds should have two nests. From time to time we shall publish plans of aviaries and appliances in the Homing Pigeon department.—ED.]

The Concourse Race.

At the meeting during which was effected the dissolution of the Empire City Flying Club there was made by all the separating fanciers a promise to once a year meet in competition in a joint race from one of the longer distances. With this object in view, Mr. Geo. Brown, Jr., the ex-secretary, issued invitations, not only to old competitors, but to several other districts adjacent to and in the immediate vicinity of New York City to meet Friday, February 19th, at 844 Broad Street, Newark, N. J., and make arrangements for what should prove the grandest race every flown in this country. The meeting was attended by the authorized representatives of six districts, all men whose names have been prominently associated with the fancy's history for years. They were as follows: Manhattan District, John Fischer, C. P. Schwenk, Geo. Brown, Jr.; Essex District, C. A. Mahr, Jr., Eli Moreton; Hudson District, H. Schmid, Jr., W. J. Cullen, W. Holliday; Staten Island District, Charles Bang, Adolph Busch; Union District, F. H. S. Morrison; Yonkers District, William Maynard. It was decided that the joint race should take place Saturday, July 3, 1897, from Belton, S. C., to Elizabeth, N. J., distance 617 miles.



"J. Carter," the Royal Blue Line champion long-distance flyer for 1894 and 1895.

Good Ideas.

Pigeons in confinement, especially during molting time, are greatly benefited by having a supply of green food. For this reason I would suggest that raisin boxes be filled with earth and sown with peas, lettuce and other quick-growing seeds, and when the plants are about an inch or inch and a half high that they be placed where the denizens of the loft can have access to them. As soon as they find what they are intended for they will show their appreciation of them and it will do them good in many ways—opening the bowels, cooling the blood and promoting that condition so conducive to rapid and successful molting.

Pigeons that fly at large frequently get their feet entangled with a string or long hairs. I found a fine Tumbler at one time apparently lame and suffering with some affection of the foot; on examination I found it had picked up a hair somewhere and it had so twisted and entwined itself about the foot and toes as to impede the circulation and cause the foot to swell. Carefully untwisting it, I was surprised to see what it was and to note the change that at once took place in the condition of the foot After removing the hair I soaked the foot in warm water awhile, and on the next day the bird appeared as well as ever. Had this not been discovered the toes would eventually have rotted off. I have seen cord twisted about the feet in the same manner.

While pigeons are nesting the less they are disturbed the better. Moving quietly about the loft is no hindrance, but rather a begetter of confidence, for when they find they are not disturbed they lose all fear and keep steadily at their work of incubation.

J. C. L.

Accidents Will Happen.

On Monday, April 29th, a fine Redcheck Homer, belonging to Mr. Samuel Wallace, of this city, was caught in the large fan of a carpet cleaning establishment. These mishaps will sometimes happen to our best birds, and it is a rather unfortunate thing they do. The bird was horribly mangled. It was banded 204, '92.

Many Thanks.

I have calls from several different States mentioning THE FEATHER. For so young a bird THE FEATHER has soared very high. That it may be able to sit on the same lofty pinnacle with our great American eagle is the wish of one of your advertisers. MRS. CHAS. JONES.

Pawpaw, Ill.



THE BLACKCAP.

A Marvelous-Voiced Youngster with Imitative Powers.

ONE of the best of songsters is the Blackcap. It is considered by some to be a close rival to the Nightingale, and is compared by Beckstein as follows: "If his song has less volume and be not so distinct as that of the Nightingale, it is purer and more flute-like in its tone, more connected, and has almost as many varieties of notes." The bird has a marvelous voice and imitative powers, much after the style of the Mockingbird.

The Blackcap is about five inches and three-quarters in length, of which the tail measures two and one-quarter inches. The beak is horn-blue; the iris chestnut-brown; the cheeks and back of neck are light gray; the upper part of the body and wing-coverts, ashen gray; the under part of the body, very light gray inclining to white on the throat and belly; the pen and tail-feathers are dark brown, edged with the color of the back. The top of head is surmounted by a round jet-black cap, from which he derives his name, and by which he may be easily distinguished from other birds. The female is a trifle larger than the male, and may be distinguished from him by the color of the cap, which is a chocolate-brown; other parts are also tinged with brown. The plumage of the Blackcap is very soft and silky.

In confinement the Blackcap will sing the greater part of the year, ceasing only during the migratory fever in March and September, and a short period during the molting season, which is in July and August. By careful attention to his food and the utmost cleanliness of his cage, he may be kept in perfect health and song. A greater variety of food must be given him than almost any other kind of bird. In the wild state they feed altogether on caterpillars, flies and insects; they are also fond of the various wild berries. This class of food should be freely used in connection with prepared Mockingbird food. Provide them with plenty of sand in the cage and a daily bath.

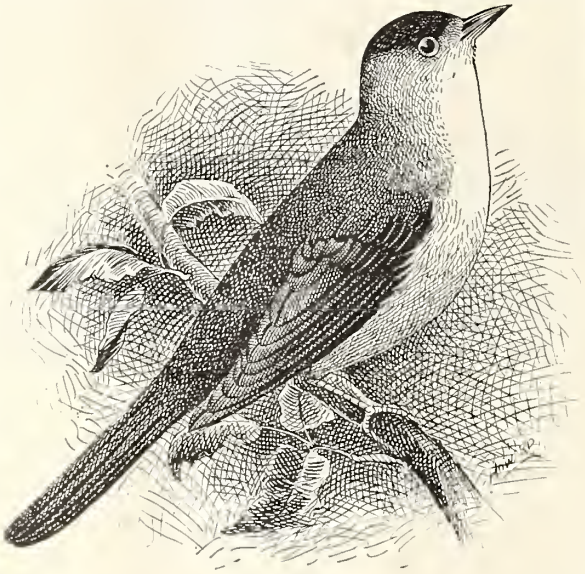
The Better Way.

At a recent meeting of the Baltimore Canary Breeders Association, among other questions discussed was, which is the most desirable way of breeding canaries, in small ordinary-sized breeding cage or aviary? After a number of members had given their experience of breeding both ways, it was decided that cage breeding was most desirable for a fancier breeding to attain a certain object, whether song, marking or shape; for the reason that in cage breeding there should only be one pair, and they should be as good as can be procured; and their progeny can easily be kept apart and watched closely to see whether the young are as good or better than the old birds in song or other points the fancier had in mind when he mated them. Aviary breeding was approved of where a fancier wished to raise quantity without regard to special points; the young are very difficult to distinguish in an aviary, for a male bird may have three or four mates, and there is also a probability that the matings may be too closely related, producing weak birds. Our next discussion will be on marking and how to produce color, etc.

G. A. FICK, Cor..Sec'y.

For Want of Exercise.

Epilepsy or paralysis is caused by the want of exercise. When a bird is attacked with it, dip him once or twice in cold water, and allow him the run of a larger cage than usual. This disease sometimes terminates fatally, although, when carefully attended to, it may be cured.



BLACKCAP.

A FINE SINGER FOR ONLY $3.

I have now on hand the best collection of MOCKING BIRDS, America's favorite songsters, I ever had, and am making a SACRIFICE in prices to get room. These birds are worth more than double this price, and you may never have such a chance again. Every bird is fully guaranteed. Address

EDW. S. SCHMID, 712 12th St., N.W Washington, D. C.

A GREAT OFFER.

THE FEATHER WITHOUT COST

We have just arranged the details of a plan by which thousands of our friends who wish to take THE FEATHER will be able to secure it for a year without any trouble or any increase in their expenditures.

Read Our Plan:

Nearly every one interested in poultry is already taking one or more agricultural or poultry papers. These can be clubbed with THE FEATHER in such a way that our magazine may be secured immediately and without extra expense.

Any one who is now taking or who is going to take one of the papers mentioned below, costing one dollar or more, can by subscribing to THE FEATHER have the subscription price of our magazine deducted from this subscription to the other paper, *thus getting both papers for the price of one.*

Any one now taking or who is going to take two of the fifty-cent papers mentioned below can by subscribing to THE FEATHER have the subscription price of our magazine deducted from the subscription price of the other papers, *thus getting three papers for the price of two.*

Any one now taking or who is going to take any one of the fifty-cent papers mentioned below can by subscribing to THE FEATHER and sending ten cents extra secure both papers, *thus getting two fifty-cent papers for sixty cents.*

Any one subscribing for THE FEATHER for six months will be allowed a year's subscription to any fifty-cent paper mentioned below by paying twenty-five cents additional.

These offers have never before been equaled and our plan differs from any clubbing plan ever offered in allowing those who are already taking other papers to begin their subscription to THE FEATHER immediately by sending a small remittance to show their good faith and forwarding the balance when they wish to renew their subscription to the other paper.

We will send you THE FEATHER and one of these papers both for one year for the sum indicated below:

Farm-Poultry	$1 00
American Fancier	1 00
Pigeon News	1 00
Poultry Monthly	1 00
Rural Californian	1 00
McClure's Magazine	1 00
National Tribune	1 00
Chicago Weekly Inter Ocean	1 00
Atlanta Weekly Constitution	1 00
Recreation	1 00
Munsey's Magazine	1 15
National Stockman and Farmer	1 15

If you are already taking one of these papers and your subscription has not yet expired you may send us thirty-five cents now and receive THE FEATHER at once; the balance may be sent any time within a year, when you wish your subscription to the other paper to begin.

We will send you THE FEATHER and any two of these papers all for one year for one dollar; or

We will send you THE FEATHER and any one of these papers both for one year for sixty cents; or

We will send you THE FEATHER for six months, together with any one of these papers, for one year for fifty cents:

Reliable Poultry Journal	$ 50
American Poultry Journal	50
Fanciers' Review	50
New England Fancier	50
Ohio Poultry Journal	50
Poultry Keeper	50
Practical Poultryman	50
Southern Fancier	50

If you are already taking one of these papers you may send us thirty-five cents now and receive THE FEATHER at once; the balance may be sent any time within a year when you wish to renew your subscription to the other paper. If you wish to try THE FEATHER for six months in combination with one of the other papers, you may send twenty cents now and receive THE FEATHER at once, and the balance may be sent when you wish to begin or renew your subscription to the other paper.

Do not neglect this liberal offer. We have gone to enormous expense to publish the Best Illustrated Poultry and Pigeon Paper in the World and we are determined to place it in the home of every one interested in the Feathered Industries. This offer will remain good for one year from date. Single subscription to THE FEATHER, one year, fifty cents.

THE FEATHER will continue to improve with each number and subscriptions should be commenced at once, as you will want the volume for 1897 complete and back numbers are difficult to obtain.

Address all orders to

George E. Howard & Co., Publishers,
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THE BUSINESS WORLD

As Viewed From the Columns of The Feather.

ECHO HILL POULTRY FARM.

Editor The Feather :

One of the pleasantest men in the chicken business is Dr. Robinson, of Pawling, N. Y., the breeder of the world's best Langshans.

It was my good fortune not long since to receive an invitation from him to visit his place; and one morning found mé at Pawling station on the Harlem R. R., where the doctor was waiting for me. By the way, he is a dentist with a large practice in this thriving town, but finds time to devote to his favorites and to bring them up to their present high standard. We drove to the farm, which is about a mile from the depot, and well located; high, rolling land, naturally drained and an ideal place for raising chickens. We went directly in to dinner when I had the pleasure of meeting Mrs. Robinson, her son and daughter, a very delightful family. After cigars, we turned our attention to the feathered family, first going to the breeding house and I saw the grandest lot of Langshans I believe can be found anywhere. He has nine pens mated up, many of the females are prize winners, and every pen is headed by prize-winning males. One pen in particular headed by "Shamrock" (2d prize cockerel at New York in '96), is mated up the same as last year when it made a world's record by producing the following prize winners at last Winter's shows: 1st, 2d and 5th cockerels and 1st and 2d pullets at New York, besides winners at Boston, Washington, and many other shows all over the country. As the doctor shows only at New York all prizes at other places were taken by his customers.

He is very enthusiastic about the Langshan and pardonably so for he certainly has the finest-shaped birds I ever saw. They are perfect in color, having that peculiarly brilliant, greenish sheen so necessary to this breed.

In another house were a grand lot of cockerels that would improve any flock. I do not imagine he has many left by this time, so great is the demand for Robinson's Langshans.

He is a square man to deal with. How do I know? I tried him. I bought from him birds that could give a good account of themselves anywhere. The males are active and the eggs are testing ninety-seven fertile out of a hundred; and the way those birds lay! Frequently every one will lay the same day and I can always count on sixty per cent. of eggs, well-shaped brown eggs that weigh thirty-one ounces to the dozen.

His prices are very reasonable for the quality of the stock. I did not see a poor bird on the place. He has no culls for sale at any price; all such go to a boarding house which pays him two cents per pound over the highest market price, which shows how eager people are for Langshan meat when once they have tried it. One thing very noticeable was the general health and vigor of the stock; their activity was very apparent.

After supper, while waiting for the carriage, Mrs. Robinson showed me some drawings by Master Harry, and if first efforts count for anything, he will make Artist Sewall hustle some day.

I left Pawling with the feeling that I had spent a most delightful day and now that I have the birds home and find how well they lay and how strong and fine the young chicks are, also the great demand for eggs from Robinson's stock, I believe it was a most profitable one.

Yours for the advancement of the Langshan, J. VAN HERWEEDEN.
Plainfield, N. J.



DR. F. M. ROBINSON'S BLACK LANGSHAN WINNERS AT NEW YORK, 1896.

TUSCOLA POULTRY YARDS.

S. Champion, proprietor of the Tuscola Poultry Yards, Cass City, Mich., commences an advertisement in this issue. His local paper, the *Gazette*, says of him: As previously reported, S. Champion, proprietor of the Tuscola Poultry Yards, was importing five Black Minorcas from W. Wood, of Cavendish Lodge, England. He has increased his consignment to six Black-breasted Red Games, six Cornish Indian Games, seven Black Minorcas, two Buff Leghorns and four Aylesbury Ducks. Mr. Champion is making a success in the poultry industry and is deserving of patronage and hearty support. Perhaps no one institution scatters the name of Cass City into as many towns and before as many people in almost the civilized world as does Mr. Champion's poultry yards, through advertising and sale of birds. In more ways than one it benefits the town, although possibly not given much thought by our people. Mr. Champion's stock is of the highest grade, and replies from his customers are very gratifying and express entire satisfaction with the birds sent them. It is cheaper and more profitable for farmers to breed thoroughbred chickens than common, and besides they are something to admire. We would advise all farmers to pay more attention to this valuable money maker on the farm. Thoroughbred poultry brings a higher market price than the common birds, and when you have a good chicken you can get your own price for it. His illustrated catalogue and price list is in our hands and by it Mr. Champion shows the mark of a hustler.

VERY GOOD RESULTS.

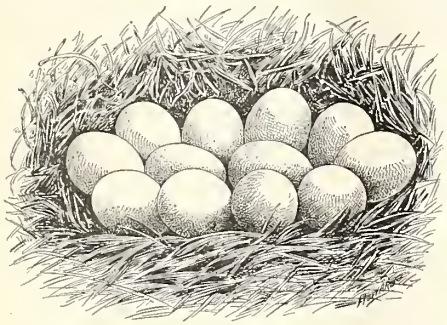
Editor The Feather :

Please run our ad. again. We have had very good results. Would say to all those that favor us with questions to be kind enough and tell us where they saw our ad., as we receive many questions, and ship to parties not knowing what paper we should thank for sending their trade to us. We give a large premium to those sending us an order of $3.00. Thanking our patrons through your valuable paper, we remain,

A. W. GLUESENKAMP & SON,
Batesville, Ind.

PRACTICAL FOWLS.

One of the most interesting breeders who advertise in THE FEATHER is Mr. W. E. Mack, Woodstock, Vt. He is a breeder of White Wyandots and Narragansett Turkeys. He has bred White Wyandots for eleven years and has aimed from the start to make a good, practical general purpose fowl. With this ambitious result as his aim, he has succeeded in producing a strain of prolific layers of large dark brown eggs. We show in illustration a drawing of one dozen of his hens' eggs, and feel sure our readers will be interested in the following particulars concerning them. The drawing is an exact representation of them. The eggs measure from seven and one-eight to seven and one-fourth inches, by eight and one-eight to eight and three-eights inches; they weigh from three and one-half to three and three-fourths ounces each. Mr. Mack always exhibits and wins on eggs, as the following record fully testifies: He won 1st at Milford, Mass.; 1st at St. Johnsbury, Vt.; 1st at the Mid-Continental, Kansas City, Mo.; 1st at Washington, D. C.; and at Boston, at the largest egg show ever held in this country, he won 1st, 2d, 3d and 4th prizes, and *Farm-Poultry's* cash special for best dozen

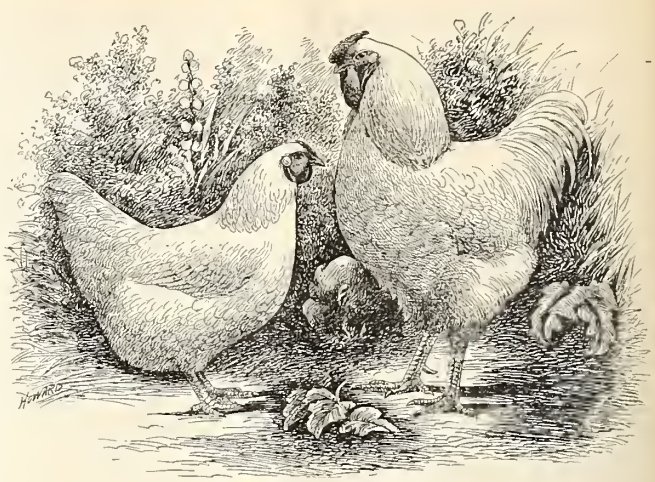


One Dozen Prize Eggs W. E. Mack's Dark Egg Strain White Wyandots.

Wyandot eggs. His birds have good, blocky bodies, and rich, yellow legs and beaks. While he has bred for practical fowls he has not overlooked the idea of producing handsome ones. This year he sent four cockerels to the Mid-Continental show and won 1st, 2d and 5th prizes and the cash special for four best White Wyandot cockerels; at St. Johnsbury, Vt., with fifty-three birds in competition, he won 1st pen fowls, 1st pen chicks, 2d cock, 2d and 3d cockerels, 1st and 4th pullets, and a dozen specials, including the special for eight highest scoring birds in American Class, also the special for best exhibit of White Wyandots. These records are something to be proud of and speak well for the quality of his stock. His birds have unlimited range and his chicks are raised in colonies of twenty-five and fifty each. He is also a breeder of Narragansett Turkeys. His turkeys are hardy, early maturing and domestic in their habits. Mr. Mack is now devoting his entire time to his poultry and attends personally to all the details. Those who contemplate breeding White Wyandots should write to Mr. Mack, and we are sure he will treat you fairly and honestly, and will give you the privilege of returning any stock that does not prove satisfactory.

A MAMMOTH ESTABLISHMENT.

The Atlantic Farm, A. J. Hallock, proprietor, is situated on the south side of Long Island, seventy-two miles east of New York City. There is a creek on two sides of the farm, to which the breeding ducks have free access. The buildings cover a floor space of about 25,000 square feet. Twenty-eight Prairie State and two Monarch incubators are used, which have hatched since 1894 40,000 ducks, producing many prize winners at America's leading shows. This farm is one of the successful ones of the country, and each year new facilities are added to properly supply the increasing demands for stock and eggs. We will visit Mr. Hallock in the near future and shall give a complete description of his mammoth establishment, with many illustrations of his houses, yards and stock. Mr. Hallock is using 750 breeders this season, from which he is selling eggs for hatching and booking orders for breeding stock next Fall. Send for his catalogue and price list.



FIRST PRIZE WHITE WYANDOT COCK AND HEN.
Bred and owned by W. E. Mack.

THOSE MINORCAS.

The announcement made in the last number that Mr. Blanton had purchased the original pen of Black Minorcas from Mr. Allen, should have been a little plainer for the mutual satisfaction of both gentlemen. Mr. Allen sold Mr. Blanton six females from his two pens exhibited at the Washington show, but reserved the males and other two females for himself. This we believe to be the plain statement of the matter, as per the letter of Mr. Blanton and conversation with Mr. Allen.

BLACK LANGSHAN BANTAMS.

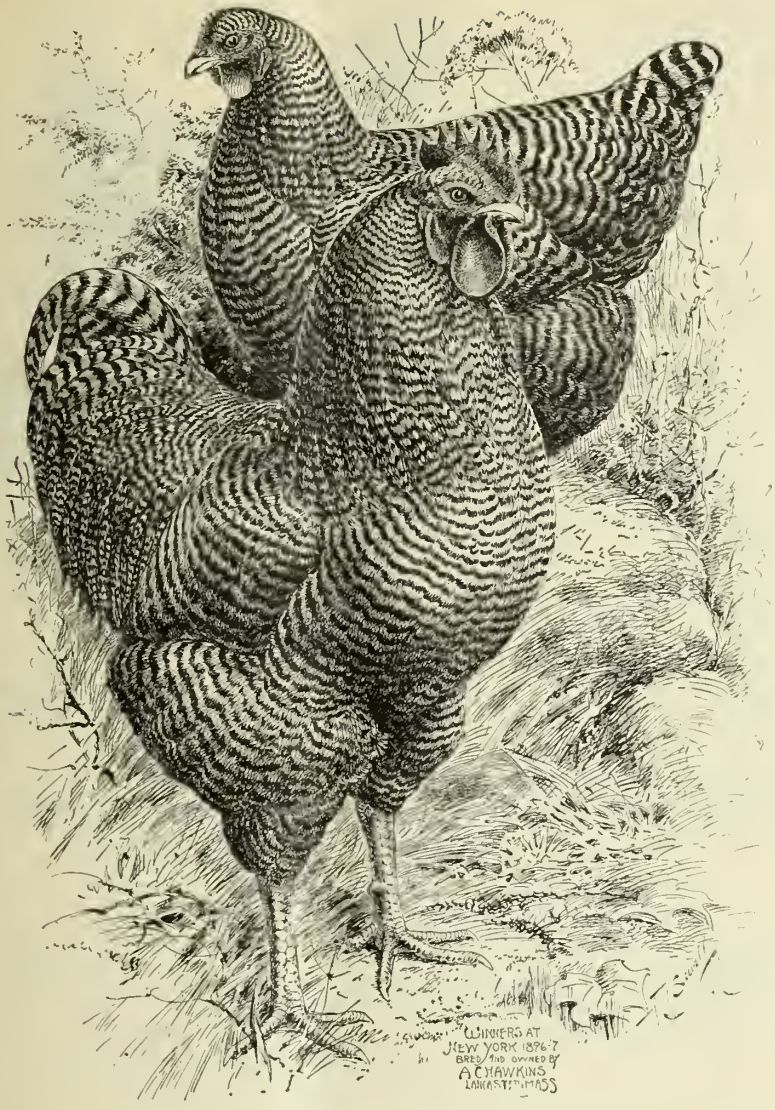
You have asked me for an article on Langshan Bantams. I suppose you think that as the originator of this variety I should be qualified for a long dissertation on them. First I will say, look at the cut of them made by Artist Howard from life. Those who have seen them know that it is a faithful representation of them and is, at least, a credit to the artist. Perhaps if I repeat a few of the many questions asked me regarding them and my answers thereto, it may serve as a practical description of them and save me much correspondence.

What are they like in general appearance? They are the exact counterpart of the Black Langshan in color, shape and all characteristics; in fact, they are miniature Black Langshans and also have the great egg-producing trait of their ancestors. How were they produced? By breeding in direct line from Black Langshans by proper selection and mating. How long have they been bred? Five years. Do they breed true to color and shape? Yes, sixty per cent. of the chicks produced are good enough to save for either exhibition or breeding.

Now a few words regarding how I came to breed them. In the Fall of 1892 a Black Langshan hen stole her nest



BLACK LANGSHAN BANTAMS, ORIGINATED AND BRED BY WM. M. HUGHES.



PAIR "ROYAL BLUE" BARRED PLYMOUTH ROCKS.

Winners at the Great Madison Square Garden Show, at New York, 1897. Bred and owned by A. C. Hawkins, Lancaster, Mass.

and hatched a brood of chicks in November. The flock which had this hen as a member was running at large in an old orchard and I did not see either the hen or chicks until snow came and I looked to see if all of the stock was roosting in the house; then I found the chicks. Well, my first thought on seeing them was "how much they look like Bantams!" These chicks, five of them, survived the Winter and the thought that they looked like Bantams was father to the resolve to try and breed from them Black Langshan Bantams. The chicks were dwarfed in size, and to-day two of the hens that were the foundation of the O. K. strain of Black Langshan Bantams are alive and only weigh three pounds each.

As to how I succeeded in my resolve to breed and establish a strain of Black Langshan Bantams, I refer the reader and others interested to the cut which accompanies this article and to my past exhibits of them; and to those who have never seen the birds, I hope to show many, during the next show season, what they look like in the show room.

WM. M. HUGHES.

South Portsmouth, R. I.

THE PRIZE BROODER.

Mr. A. S. Whitney, Gouverneur, N. Y., is advertising in this number his $4.00 Prize Brooder, which has had such large sales this year. Such a brooder is of untold value for successfully raising chickens in large numbers, reducing the labor to a minimum. The Prize Brooder which Mr. Whitney advertises is made of good pine lumber, well seasoned, is three feet square, which gives nine square feet floor space. This makes a good, large brooder, which will brood from sixty to seventy-five chickens without crowding. The back part is the hover which contains the tin dome. The front part is for feeding the chickens and furnishing a safe refuge for them. If the hover gets too hot, by this plan there is no danger of overheating the chicks as they can run out where it is cool. This brooder can be used out of doors in Summer or Winter, and needs no extra shelter, as it is a complete brooder house in itself and will stand the storms of all climates. The heat is supplied by a lamp under the brooder and is evenly distributed through the brooder chamber. This even distribution of heat avoids crowding; the chicks spread out over the whole floor of the brooder, thereby insuring perfect health and rapid growth. The heat from the lamp rises into a large tin dome in the top of hover. It has a double floor with air space between. The lamp is so arranged that when the heat passes into the dome it allows enough to escape between the floors to keep them dry. The lamp is separated from the brooder chamber and no lamp fumes can reach the chicks or the air they breathe. The ventilation of the brooder chamber is so adjusted that the chicks have pure fresh air at all times. If you need a brooder write Mr. Whitney for his circulars, etc.

HAWKINS' WINNERS.

On this page is shown a cut of Mr. A. C. Hawkins' winners. Many of our readers are well acquainted with the superlative qualities of Mr. Hawkins' birds, but we dare say they will be interested in any matter which relates to him and his prize-winning stock. In a subsequent number we shall publish an extended story of Mr. Hawkins' place, and give in detail his methods of raising the "Royal Blue" Barred and White Rocks, Silver-laced and White Wyandots.

ONE OF THE BEST.

The Hearson Champion incubator is one of the oldest and most tried machines on the market. For many years they have led all other makes in England and other European countries, winning first premium wherever shown. They

— SEND FOUR CENTS TO —

Woodcleft Poultry Yards, Freeport, N. Y.

For the most handsome (illustrated in colors) catalogue ever issued, telling all about their

PLYMOUTH ROCKS, MINORCAS AND LEGHORNS. Also, the "Woodcleft" strain of COCHIN BANTAMS, Buffs, Whites and Blacks, of the correct size and color, and of the true Cochin type, now acknowledged by the best judges to be the leading strain.

CHAMPION'S IMPORTED BLACK MINORCAS

Consist of imported cockerel, 1st at Buston, 1st hen at Birmingham, 1st pullet at Whelbeck, England. At Michigan State show I won 1st hen, 93; 1st pullet, 93; 2d pullet, 92½; 3d pullet 91½, tie, cut 2 to 2½ on weight, being reduced in flesh, caused by transportation from England. Eggs, $3.00 per 13; $5.00 per 26. B. B. R. Games—1st cock and silver cup winner at Whelbeck, 1st and cup special at Buston, 2d at Birmingham, v. h. c. at Crosgate and Lebshelf. Mated with five imported female prize winners. Eggs, $3.00 per 13; $5.00 per 26. I also breed Partridge Cochins, R. C. Brown, R. C. White and S. C. Buff Leghorns. Eggs, $2.00 per 13; $3.75 per 26. Barred and White Rocks, English Red Caps. "No birds for sale." Eggs, $1.50 per 13; $2.75 per 26. Poultry supplies, oyster shells, Mica Crystal Grit, Carbozine, Chloro Naptholum. Send for circular giving matings. I pay my own postage.

S. CHAMPION, Cass City, Mich.

AGENT, W.-WOOD'S POULTRY YARDS, ENGLAND.

Warner's Washington Winners

WERE WONDERFUL

OUR CHAMPION BARRED PLYMOUTH ROCKS

Once more demonstrate the fact that they are hustlers in the show room.

INTERNATIONAL SHOW, WASHINGTON, D. C., 1897—The victory was ours, winning 1st and 2d cockerels, 2d and 4th pullets, 5th hen and 1st pen (the coveted prize); all specials, including GRAND SPECIAL for best collection of Plymouth Rocks, all colors competing.

Washington, D. C., 1896, won gold special for highest-scoring B. P. Rock in the show.

Our S. C. Brown Leghorns fought the famous battle at Hagerstown, Md., 1896 (4 birds entered), winning 1st, 2d and 5th cockerels.

At Leesburg, Va., for eight years we have won the lion's share.

Twelve (12) shows during 1896 contained winners produced from our yards. We can help you if you want eggs that will produce winners, thereby giving you the benefit of our years of experience in mating. We acknowledge no superior in packing eggs for shipment and guarantee their safe arrival. A TRIAL order will convince you what we claim is true.

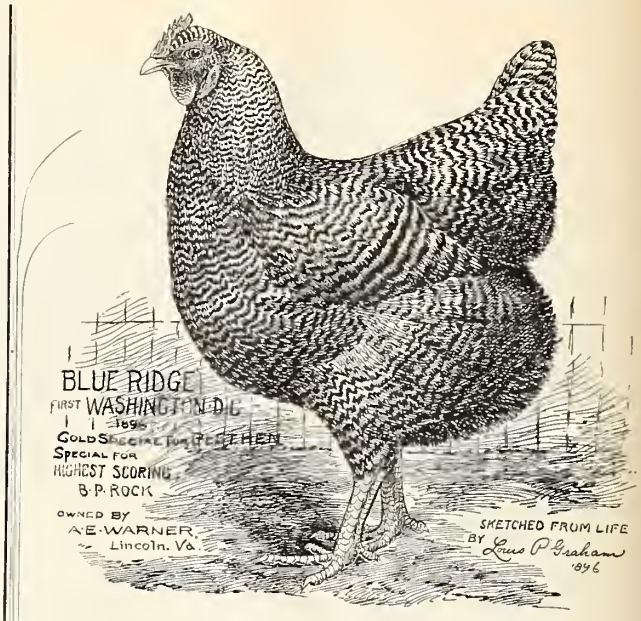
Barred P. Rock Eggs, $2 per 13; $3.50 per 26; $4.50 per 39.
S. C. Brown Leghorns, $1 per 13; $2 per 30; $6 per 100.

A. E. WARNER, Lincoln, Va.

A. E. Warner, Lincoln, Va. CARLISLE, PA., Sept. 29, '94.

From the eggs you sent me last March, I raised some fine birds; one especially, a cockerel. Judge Bicknell gave him first in a class of 42 cockerels at our Carlisle show. I think him worth $20. The class of Barred Rocks was very strong, 164 all told in the show.

Yours Truly, J. F. MORRISON.



"BLUE RIDGE."
First Prize Hen at Washington, D. C., 1896.

are built of the very best seasoned material, highly polished, and are fitted with the best copper tanks. They are regulated with perfectly adjusted thermostatic bars. The ad. of these same machines can be seen regularly in our columns, but it is not necessary that one should send to London for them—they are sold in great numbers at Long Branch, N. J. If you will address Hearson's Champion Incubator, Box 616, Long Branch, N. J., they will send you their catalogue, prices, etc., and you will no doubt see something that will be of particular interest to you. One thing that will be welcomed by all is the words used in their ad. that "they are now being sold at prices within the reach of all." Those who are interested in hatching chicks can do nothing better than inquire into the merits of the Hearson Champion incubator.

TOO LATE TO CLASSIFY



SINGLE C. B. LEGHORNS—Never fail winning all first prizes wherever shown. My yards for '97 have all been scored by J. Y. Bicknell, 90 to 95. Catalogue for stamp. L. O. BROMLEY, Forestville, N. Y.

$1.50 FOR 15 EGGS, $2.50 for 30, from thoroughbred American Buff Cochins (Burpee's strain); large size, vigorous stock, full feathered, and solid buff in color. A good hatch guaranteed. H. S. CHRIST, Pine Grove, Pa.

DR. BEUST, New Albany, Ind.—Golden Pheasants, per pair $25.00; eggs, 75 cents each. Buff Cochin Bantams, trio $10.00; eggs, $3.00 for 13. High-class English Carriers. Jacobins, White Fantails and Satinettes.

FIVE HUNDRED Belgian Hares from imported stock this month. They are mortgage lifters. Write to-day, with stamp, and get price list of Belgians and all the leading land and water fowls. Eggs from prize stock cheap. CHESTNUT GROVE POULTRY FARM, Lexington, Richland Co., Ohio.

WHO'S SHELLABERGER?

He's the Wire Fence Man, of Atlanta, Ga., and sells the best and cheapest fencing in existence for all purposes. Catalogue free. Write for it.

KEYSER'S BLUE ANDALUSIANS

Strain is the Leading Strain in America. **Eggs from Finest Prize Birds, $3 per 13; $5 per 26.**

Winning more prizes and higher honors than any other breeder of this variety in America.

I also breed America's leading strains of Buff and Barred Plymouth Rocks, Single Comb and Rose Comb White Leghorns and Pekin Ducks. Winning the highest honors, cups and specials at Reading, Mt. Gretna, West Chester, Saratoga, Trenton, Newburg, Hagerstown, Washington, New York and Boston, in 1896 and '97.

EGGS—Plymouth Rocks, $2.00 per 13; $4.00 per 26. Leghorns, $1.50 per 13; $3.00 per 26. Pekin Ducks, $1.00 per 11; $6.00 per 100. Special prices on large lots quoted on application.

Runt Pigeons and stock for sale at all times. Stamp if convenient. 4c. for catalogue. Satisfaction guaranteed. Mention The Feather.

A. C. KEYSER, Lower Providence, Pa.

Buy the Best **Eggs for hatching**

OCEAN TO OCEAN

Highest Honors Wherever Shown -- FROM SAN FRANCISCO TO BOSTON.

HATHAWAY BROS. were first to introduce the popular Minorca to the American fancy. HATHAWAY BROS. made 20 ODD IMPORTATIONS from England, including SPANISH, ANDALUSIANS, MINORCAS, REDCAPS, POLISH, high as 70 INDIAN GAMES, 51 BUFF LEGHORNS at a time.

FINEST in HOUDANS, HAMBURGS, LEGHORNS, PLYMOUTH ROCKS, LANGSHANS, BRAHMAS and WYANDOTS, including

BUFF WYANDOTS LEGHORNS PLYMOUTH ROCKS **OF MODERN** TYPE SIZE COLOR

BUFF TO THE SKIN

30 POPULAR VARIETIES RAISED ON **36** SEPARATE FARMS

No one has better Bred

Eggs, $2.00 and $3.00 per set. Birds for sale. Fertile eggs guaranteed.

Exportations—Have had orders from **England**, Scotland, **Venezuela, Cuba**, Nova Scotia, Newfoundland, **Prince Edward's Isle, Vancouver**, Winnipeg, Canada, **Mexico** and every State and Territory in this Union. Also dealer in **Fine Dogs, etc.—Fox Terriers, Beagles, Ferrets**—and

PROPAGATOR of Small Fruit Plants—**Strawberries a Specialty**—Best sorts—Prices right. **12-Page Price List Free—Send 10 cents** for large illustrated poultry) wall calendar and price list, 1897. Visitors welcome. Patronage solicited. Inclose stamp and write

Wick. B. Hathaway, Manager,
Madison, Lake County, Ohio.

CLASSIFIED ADVERTISEMENTS

Fully prepaid advertisements of six lines or less inserted under this heading at the following rates:

One time	$ .50
Three times	1.25
Six times	2.25
One year	4.00

Copy may be changed as often as desired, though we advise running a standard ad. when possible, in order that buyers may become acquainted with it. Length of ad. is not limited, but each line or part of line in excess of six will be charged for at the rate of 8 cents for one month, 20 cents for three months, 35 cents for six months and 65 cents for one year. Space may be estimated at the rate of seven words to the line, counting each number and initial as a word.

PLYMOUTH ROCKS

PLYMOUTH ROCKS—Barred and White. Hundreds of fine breeding and exhibition birds for sale; bred in line for years from high scoring stock. Also Buff Cochin Bantams. Write for prices on what you want and mention THE FEATHER. F. J. MARSHALL, Sunny Side, Ga.

WILSON'S FIRST PRIZE WINNING BUFF PLYMOUTH ROCKS. World's Fair, '93; Troy, N. Y., '94; New York, '95. At the recent New York Show won 1st, 2d and 4th cock; 1st, 3d and 4th hen; 1st and 3d cockerel, and 3d and 5th pullet. Eggs, $5.00 per 13; discount on two or more sittings. J. D. WILSON, Box 127 C, Worcester, N. Y.

BUFF PLYMOUTH ROCKS EXCLUSIVELY Clean sweep at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

FREDERICK E. COLEMAN, breeder and shipper of Barred Plymouth Rocks exclusively. Eggs, $1.25 per 13; $2.00 per 26. Box 22 A, Manchester Green, Hartford Co., Conn. Mention The Feather.

HAWKINS' Pure Strain of B. P. Rocks and Silver and White Wyandots. Some high-scoring cockerels yet for sale. Eggs from these three varieties, $1.50 per 13; Black Minorcas, $1 per 13. R. L. MAGNESS, Wheel P. O., Harford Co., Md.

EGGS AND STOCK from Barred, White, and Buff P. Rocks, Indian Games, and Buff Leghorns—buff to the skin. All yards headed with winners at Mt. Gretna, West Chester, Reading, Pa., Hagertown, Md., and Washington, D. C., in 1896 and 1897. Eggs, $2 per 15. GEO. SCHRADE, Sykesville, Md.

MANOR GLEN POULTRY YARDS—Barred P. Rocks exclusively. Eggs from very fancy barred-to-the-skin matings, $2.00 per 13. Can spare a few choice breeding cockerels from $2.00 to $5.00 each. J. W. McABEE, Taylor, Md.

I HAVE FOR SALE Buff Plymouth Rock pullets and cockerels from my prize-winning strain, winners at the Great Rochester Show, 1st on pullet, 2d on cockerel, 2d on cock. Eggs for sale, $3.00 a sitting. W. C. DENNY, 324 South Avenue, Rochester, N. Y.

JAS. S. WARNE, Washington, N. J.—My Buff P. Rocks are finer this season than ever, scoring from 89½ to 93½, fine surface color, grand under-color, low combs, large size, Rock shape; headed with 92½ and 93 point cockerels. Breeding cockerels for sale. Eggs, $3.00 per 15; $5.00 per 30.

BARRED AND BUFF P. ROCK, Light and Dark Brahma and Black Minorca eggs, $1.00 per sitting. Eggs from crosses, 50c per sitting. Trio of Dark Brahmas, $5.00. Cash with order. M. E. COOKE, Sandwich, Mass.

J. T. McNEALLEY, Lovettsville, Va., has fine Barred P. Rocks, Montauk and Champion strains; also, White and Black Wyandots. At Hagerstown, Md., '96, I had three entries of Blacks; won 1st, 2d and 3d. Eggs, $2.00 per 15. Write for wants.

BARRED PLYMOUTH ROCKS exclusively. 40 choice cockerels for sale. Best strains at $2 to $3 each. Guaranteed as represented. Eggs, $1.50 per 15; $5 per 100. Correspondence promptly answered. WM. R. PAGE, Avon, N. Y.

BUFF and Barred Plymouth Rock eggs—I will sell a limited number from my prize pens at $2 00 per 13; also White and Buff Cochin eggs, $2.00 per 15. Stock for sale. R. P. THOMPSON, Patterson, N. Y.

WHITE ROCKS (Hawkins and Empire strains), Barred Rocks (Hawkins and Bradley Bros. strains). Eggs, $1.00 per 15; $5.00 per 100. Also improved Chester White Pigs and Scotch Collie Pups. Write your wants. Circulars free. H. M. LYON & SONS, Spring Hill, Pa.

MRS. ESTELLE CRAWFORD, Dansville, N. Y., breeder of choice White Plymouth Rocks and Black Minorcas, winners at Hamburg, Binghamton and two Rochester Shows. On six entries at Binghamton won three 1sts and two 2ds; At Rochester, on five entries won 1st, 2d and 4th. Stock for sale scoring 96, 94 to 92. Eggs for sale, $2.00 a sitting.

WHITE, BUFF AND BARRED P. ROCKS, White and Cornish Indian Games, S. C. Brown and Buff Leghorns and Black Langshans. Fowls and eggs at living prices. Illustrated circular free. G. W. WAYLAND, Rochelle, Va.

NEWTON FALLS POULTRY YARDS—White Plymouth Rocks exclusively. I have as fine stock as there is in America; noted for size, vigor, shape, color and egg production. Eggs from birds scoring from 92½ to 94½, 15 for $2.00. Satisfaction guaranteed. Stock in season. Mention The Feather. J. B. BEARD, Newton Falls, Ohio.

WHITE PLYMOUTH ROCKS exclusively. Made three entries at Washington, D. C., 1897, and won on all: 1st on pen, 2d on cockerel and 2d on pullet. Eggs, $1.50 and $1.00 per 13. J. F. DEFANDORF, Garrett Park, Md.

BLUE BARRED PLYMOUTH ROCKS (E. B. Thompson strain), large White Wyandots (Knapp and Hunter strains). My fowls have free range, thus insuring fertility. Eggs, $1.00 per 13. Also, one trio fine Light Brahmas. Write to M. B. HICKSON, Lynchburg, Va.

CLOVER POULTRY FARM, L. F. Giering, Bethlehem, Pa., breeder of thoroughbred B. P. Rocks, S. C. B. Leghorns, Golden Sebright Bantams. Birds have unlimited range of a large farm. No eggs shipped over three days old. $1.00 per 13. Circular free.

W. C. HART, Rural Poultry Farm, Walden, N. Y.—Barred Plymouth Rocks of large size and fine shape; eggs, $1.50. White Plymouth Rocks (Frost strain), pure white plumage and attractive appearance; eggs, $2.00. Incubator eggs at low rates. Birds for sale. 1897 catalogue, illustrated, beautiful cover; a peep at the "Wide, wide world," mailed for stamp only.

BLUE BARRED PLYMOUTH ROCKS (Hawkins, Thompson and Bradley Bros. strains), Buff Leghorns (Arnold strain), White Leghorns (Knapp strain); all pure bred and best quality. Eggs, $1.00 per 13; $2.00 per 26. DR. ANDREW BURT, Tamaqua, Schuylkill Co., Pa.

FINE POULTRY my pride; its care my recreation. No time to exhibit, but have the stock that produces winners. White Plymouth Rocks, Black Breasted Red Games. None better; few as good. Satisfaction guaranteed. Eggs, $1.50 per 13; $2.50 per 26. F. M. KELLY, Parsons, Tucker Co., W. Va.

WHITE PLYMOUTH ROCKS—Cocks, hens, cockerels and pullets for sale at all times. Eggs, $2.00 per 13. LOUIS C. ROGERS, 200 Adams St., Rochester, N. Y.

MILLER'S White and Barred Rocks are sure winners. Eggs, $2.00 per 13. One White Rock cockerel for sale, price $5.00; score 91. Address B. D. MILLER, Box 52, Providence R. I., till April 15, then Peterboro, Madison Co., N. Y.

BARRED Plymouth Rock and Buff Cochin eggs from the best strains for sale at $1.00 per sitting. One yearling Barred Plymouth Rock cock for sale very cheap. Can also furnish Pit Game eggs. J. C. ADAMS & BRO., 66 Cabell St., Lynchburg, Va.

DR. JOHN A. MYERS, Morgantown, W. Va., offers a few choice sittings from prize winners. Same as we use in the Experiment Station. Wyandots, Leghorns, Plymouth Rocks, Indian Games, Silver Spangled Hamburgs, Golden Sebright Bantams. Sitting, $1.50. Correspondence invited.

W. P. ROCKS—Winners at Malden, Worcester, Ware, Boston, etc., scoring to 96½ points and great layers. Shall sell eggs from two best pens only, at $1.50 per sitting. Send for circular. H. A. NOURSE, Box 1101, Barre, Mass.

BUFF PLYMOUTH ROCKS EXCLUSIVELY. Eggs for hatching from selected matings, $1.00 and $2.00 per 13. Cockerels and pullets for sale. WM. C. TOMSON, Milford, N. J. Write me, mentioning The Feather.

A. S. SWARTLEY, Line Lexington, Pa.—Eggs for hatching of first-class Buff P. Rocks and White African Guineas. Stock for sale. Eggs, $1.00 per 15; $2.00 per 40; $3.00 per 60. Also the leading varieties of fancy pigeons at hard-time prices. Circulars free.

LOCUST GROVE POULTRY YARDS—Barred Plymouth Rocks and S. C. Brown Leghorns a specialty. Eggs, $1.50 per 15; $2.50 per 30. Satisfaction guaranteed. Poultry paper free 1 year with every order. C. J. MEETZE, Bristow, Virginia.

MONROE POULTRY YARDS—By careful mating and sparing no expense our birds are solid buff. This season we guarantee a large percentage of Buffs hatched from our yards. Buff Rocks, Buff Wyandots, Buff Cochin Bantams. Eggs, $2 and $1 per setting. BORN BROS., Stroudsburg, Pa.

BARRED PLYMOUTH ROCKS exclusively—Free range and no inbreeding. Eggs, $1 per setting; $4 per 100 for incubators. Cockerels, $2 each. GEORGE REED, Glen Gardner, N. J.

BUFF PLYMOUTH ROCKS—I breed them exclusively because they are the best "all-purpose fowl" ever offered. Five yards of extra large, "up-to-date" birds, with pure undercolor, as "buff to the skin" as Cochins. No feathered legs; no white; Buff Rocks have skin, pin-feathers and legs same golden yellow. Eggs, $3—they hatch. Stock for sale. H. S. BURDICK, Rome, New York.

BUFF PLYMOUTH ROCKS and Buff Leghorns—Prize birds at Illinois State and other big shows, 1897; others got by Madison Square Garden winners. Best strains. Eggs for sale. If you wish the best, address C. J. STUCKEY, Box 337, Lincoln, Ill.

"CHIQUES CHIEF," a mammoth solid Buff P. Rock cockerel of the celebrated "Columbian strain," mated to Acme strain hens, which for color, laying qualities and shape cannot be beaten. Eggs, $2 per 30. Address PLEASANT VIEW POULTRY FARM, Box 185, Mt. Joy, Pa.

LEGHORNS

EGGS from prize S. C. B. Leghorns scoring from 91 to 94 at $1.00 per 13. Thirteen prizes on seventeen entries in '96; ten prizes on eleven entries in '97. Two eggs extra if you mention The Feather. W. B. GERMAN, Specialist, Dansville, N. Y.

WAYNE POULTRY YARDS, Coatesville, Chester Co., Pa., J. H. Scherer, Prop.—S. C. B. Leghorns exclusively. Prize winners wherever shown. Stock and eggs for sale at all times. Write for prices. Mention The Feather when writing. Also Gordon's Poultry Food for sale.

LEGHORNS A SPECIALTY—White, Brown, Black, Dominique and Silver Duckwings, Winners at the leading shows. At the recen. Wilkes-Barre Show I had 16 entries, won 16 prizes; 12 1sts, 2 2ds and 2 3ds. Some fine stock for sale. Eggs in season. Write for prices. GOOD WILL POULTRY YARDS, 413 North 10th St., Allentown, Pa. Wm. H. Heimbach & Co.

W. A. PIERCE, West Chester, Pa.—Rose Comb Brown Leghorns exclusively. Breeding and exhibition birds for sale; also, eggs in season. 1st pen, West Chester, Pa.; 2d on cockerel and 3d on pullet, Pottstown, Pa. Write for prices. Mention The Feather.

REMINGTON HILL, SENECA FALLS, N. Y. S. C. Brown Leghorns only. Winners at Rochester, Binghamton, Troy, Northampton, Canastota, and Meridian, scoring 92 to 95 points. A few cockerels for sale. Eggs from 4 grand yards, $1.50 per 13 straight.

OUR SPECIALTY, White and Buff Leghorns; also Buff and W. P. Rocks, Lt. Brahmas, Blue Andalusians, G. P. Hamburgs, Red Caps. Eggs, $1.50 per 13. B. Leghorns, Black Minorcas, S. S. Hamburgs, White and Silver Wyandots, $1 per 13. Many of them winners in good company. HAMME BROS., Smith's Station, York Co., Pa.

S. C. BROWN LEGHORNS and White P. Rocks. Leghorns of rich color, pure white lobes, fine combs and good Leghorn shape. If you want eggs from prize winners of high scores order from us. Eggs, $2.00 per 15; $3.50 per 30. SAM & GEO. McCRARY, Maryland Avenue, Bristol, Tennessee.

FINE breeding cockerels from $1.50 to $2.00 each; White Wyandots, Black Langshans, Barred and White Plymouth Rocks, Light Brahmas, Red Caps, S. C. Brown and White Leghorns. BRIGHT'S STRAIN, also a few nice pullets at $1.25 to $2.00 each. This stock has won over 50 First, Second, Third, and also special prizes at Malden this year. Eggs for hatching from the above strains at reasonable prices. Either single sittings or by the 100 lots. Send for price list. MAPLEWOOD POULTRY YARDS, Malden, Mass.

EGGS FOR HATCHING from high grade R. C. White, R. C. Brown, S. C. Brown, Buff Leghorns, Black Minorcas, and B. P. Rocks. 13 Eggs, $1.25; 26 Eggs, $2. Send for circular free. OTTAQUECHEE POULTRY YARDS, North Hartland, Vermont.

R. C. B. LEGHORNS, "Shoemaker's strain from 111.." as fine as anyone can find. Eggs for sale, $1 a sitting; also White Minorcas, Thomas A. Duff's strain, Canada, up to the standard, $2 a sitting. Mention The Feather. Mrs. D. W. WITTER, Newmanstown, Pa.

BUFF LEGHORNS, Black Minorcas, Silver and White Wyandots. Prize winners at Hagerstown, Carlisle, and Washington. A few very good birds for sale. Eggs, $2 per sitting. CHAS. FELDMAN, Hagerstown, Md.

GEO. E. LEE, Highgate, Ont., Canada, breeder of the grand old "Royal Strain" of C. S. White Leghorns; large size, large, smooth earlobes, red faces, correct comb, absolutely white plumage, fine station. Choice stock for sale. Eggs, $1.50 per 13.

POTOMAC VIEW POULTRY FARM, Potomac View, Va., on the Washington and Arlington R. R., RICHARD C. GRINDER, Proprietor, P. O. address, 1001 First Street, S. E., Washington, D. C.—Breeder of high-class B. P. Rocks, S. C. B. Leghorns Buff Leghorns. Eggs in season, $1.25 per 15.

BUFF Leghorn stock and eggs from birds that are Buff and not a bird scoring less than 92, taking prizes every show entered; 103 prizes in two years—Amesbury, Stoneham, Malden, Boston, Peabody, Gloucester, Essex County Fair, Mass., and Manchester, N. H. Eggs, $1.50, 13; $4.00, 50; $8.00, 100. FRANK WOODBURY, 2d, Beverly, Mass.

BUFF LEGHORNS from the best breeding strain in the land. Prices and birds to suit the times. Eggs, $1.50 per sitting. D. L. PRISCH, Middleport, N. Y.

BUFF LEGHORNS—One of the finest flocks in America. Winners for six years, also Chicago and Detroit, 1897. Send for circular, free, stamp accepted. GEO. S. BARNES, Battle Creek, Mich.

HOWARD A. PINNEY, Sheffield, Warren Co., Pa., breeder of Single Comb Brown Leghorns exclusively. Have bred this variety for the past eight years. Birds are of good size and station, have farm range and are not inbred. Eggs, $1.00 per sitting. Adams Express. Mention The Feather.

AUBURNDALE POULTRY YARDS, N. Y.—Breeders bred by New York winners. Like begets like. Buff and Single Comb Brown Leghorns, White Wyandots and Barred Plymouth Rocks. Stock for sale. Eggs, $2.00 per 15. Satisfaction guaranteed. A. J. LUTESINGER, Auburn, N. Y.

EGGS from S. C. and R. C. Brown and White Leghorns, Brown, Red and B. B. R. Games that score from 92 to 94½. Eggs, $1.00 per 13. Stock for sale. Write for prices. Twelve years a breeder. LAUREL SNEDEKER, Roscoe, O.

BUFF LEGHORNS exclusively—buff to skin—Before placing order for eggs send for photo. from life showing true Leghorn shape. BERT SMITH, Box 438, Port Byron, N. Y. Mention The Feather.

S. C. Brown Leghorns only—Winners at Rochester, N. Y., three successive years. 1897, seven premiums on five entries. (Forsyth strain.) Three grand yards. Good size, color, shape. Stock for sale; satisfaction guaranteed. Eggs, $1.50 per 15; $2.50 per 30. FRANK G. RICE, Dansville, N. Y.

FIFTY cents per dozen or $3.50 per 100, S. C. W. Leghorn eggs. 500 birds. Lay all the year. Circular free. S. J. BISHOP, Box 38, Cheshire, Conn.

CEDAR HILL POULTRY FARM—Write to Cedar Hill Fruit and Poultry Farm for prices on Single Comb Brown Leghorn, Barred P. Rock and Buff Cochin fowls and eggs. Some fine surplus cockerels of first-named breeds for sale low. Eggs for incubator use, $5 per 100; good common eggs (large breeds), $2 per 100. R. S. COLE, Harmans, Md.

BRAHMAS

LIGHT BRAHMAS. STEPHEN SPENCER, Morris Plains, N. J. Originator and breeder of the famous Duke of Morris Strain of Light Brahmas. Eggs $2.00 and $3.00 per sitting. Buff Pekin Bantam eggs, $3.00 per sitting. Buff Cochin eggs, $4.00 per sitting. Light Brahma cockerels, $2.00 to $5.00. When writing for wants mention The Feather.

L. H. MORSE, Newark, New York, originator and breeder of the famous Imperial strain of Light Brahmas. Choice selected breeding cockerels, $2 each, that are strictly of prime quality and are worth $5 each. Perfect satisfaction guaranteed or money refunded. Eggs from selected matings of Light Brahmas and Gold Laced Sebright Bantams, $2 per 13.

IF YOU WANT to raise prize winners, send to the East Hill Poultry Farm for your eggs; price, $1.50 per 15, $2.50 per 30. I breed Dark Brahmas, Barred Rocks, American Dominiques, all varieties of Javas, Wyandots, Leghorns, Spanish, Redcaps, Hamburgs, Langshans, Minorcas, Dorkings, Polish, Cochins, Blue Andalusians and Bantams. Catalogue free. F. R. TERWILLIGER, Proprietor, Elmira, N. Y.

MAMMOTH LIGHT BRAHMAS, Buff and Partridge Cochins, W. Wyandots, S. S. Hamburgs, C. I. Games (Sharp's strain), B. P. Rocks (Hawkius' and Sid Conger's strains). Quality is everything. Satisfaction guaranteed. Eggs for hatching. Send for circular—it's free. F. L. ACKERMAN, Bridgman, Berrien Co., Mich.

I HAVE FOR SALE LIGHT BRAHMA cockerels, hens, pullets, right markings, at reasonable prices. Also, S. C. Brown Leghorns, 1st prize winners at Schoharie and Rochester Fanciers' Club. Show eggs for sale in season, $2.00 per 15. LEONARD SWEET, Amsterdam, N. Y.

MY TWENTY-SEVENTH season breeding Light Brahmas. I breed the "Belmont" strain and no better birds stand on legs than are in my yards. Every bird a close descendant of Boston prize winners. Before ordering eggs send for my circular. JOHN RUMBOLD, Custom House, Baltimore, Md.

EGGS for sitting booked now from the best strains of Light Brahmas, White Wyandots, and Barred Plymouth Rocks, $2 per 13. Stock for sale. TWIN ASH POULTRY YARDS, Manchester, Conn., BALCH & BROWN, Props.

MY BUFF BRAHMAS have never failed to take first prize wherever exhibited. Buff Leghorns at Bristol, Conn., took 1st Cockerel; 1st and 2d Pullet; also special for best pen. Houdans, first-prize stock. Eggs, best pens, $2. Fertility guaranteed. GEO. W. DAINS, East Litchfield, Conn.

CHOICE UP-TO-DATE STOCK of Lt. Brahmas, Single Comb Brown Leghorns and Barred Plymouth Rocks. Eggs, $1.00 per 13. Satisfaction guaranteed. If you wish high quality and fair treatment, address J. M. PORTER, Morristown, N. J.

GAMES

SINGLE EXPRESS RATES—Games, Heathwoods, Irish, B. B. Reds, Tornadoes, Irish and Mexican Grays and Cornish Indians. Free illustrated circular. Starvation prices. C. D. SMITH, Fort Plain, N. Y.

CORNISH INDIAN GAMES from River-View Poultry Yards are prize winners. Nothing but the best. Stock and eggs for sale. Also, breed Black Minorcas, Light Brahmas and Barred Plymouth Rocks as good as the best. Write what you want. H. M. CARPENTER, Proprietor, Sing Sing, N. Y.

EGGS from 2 yards of Indian Games, one headed by a 10-pound cock, first at Hagerstown, Md., the other by a cockerel first and special at Reading, Pa., mated to hens and pullets that were winners at Mt. Gretna, West Chester, and Reading, Pa., Hagerstown, Md., and Washington, D. C., in 1896 and 1897. Eggs, $2 per 15. GEO. SCHRADE, Sykesville, Md.

WADE H. D. WARFIELD, Sykesville, Md., breeder of Gold-leaf Strain of Black Breasted Red Games, pre-eminently the handsomest and highest scoring bird bred. With six entries at Washington won 1st and 2d on cockerels, 1st and 2d on hens, 1st and 4th on pullets and three special premiums. Also, Silver Duckwings, Red Pyles and White English Games. Write for wants. Circular free.

EGGS from C. I. Games scoring 91½ to 92½ by I. K. F. Eleven pullets such as these mated with cock "Subert" scored 94 as a cockerel by Russell. $3 per 13, $5 per 26. Yard two, pullets not scored, but mated to cockerels scoring 91½ and 94, $2.50 per 13; $4 per 26. Orders booked now. My birds proper are the James Frayn strain, England. A year's subscription to The Feather with every order. C. A. LINES, Charles City, Ia.

TRY our West Virginia eggs. The choicest of stock. Plymouth Rocks, Silver Spangled Hamburgs, Indian Games, Brahmas, Leghorns, Black Minorcas, Blue Andalusians, Silkies, Wyandots, Black Langshans. Birds skillfully mated. Sitting, $1.50. Correspondence invited. JOHN A. MYERS, Morgantown, W. Va.

RUGBY POULTRY YARDS, Sykesville, Md. We raise Indian Games that score high and take the premiums. See how we stood at Washington shows, 1896 and 1897. Have for sale nice yard of cockerels finely marked, with high station and heavy weight. Also few pullets and hens left. If in want of good stock at reasonable prices, write us.

WADE H. D. WARFIELD, Sykesville, Md.—"Gold Leaf" strain of Black Red Games. Mating No. 1—Imported birds; cock stands 32 inches and weighs 9 pounds, 5 ounces; eggs, $5 setting. Mating No. 2—Headed by 1st and special as cockerel at Washington; to him are mated 1st and 2d hens at Washington, 2 Spaulding hens and 2 Peirce hens. Also Silver Duckwings, Pyles and White English Games. All my birds of each variety are heavy weights, though in breeding for size I do not sacrifice Game characteristics. Fanciers wishing to bring up their stock in size and at the same time retain all fine points, will find such birds from my matings. Circulars free.

J. OLIVER & SON, Charlotteville, N. Y.—Heathwood Games a specialty. We breed for pit purposes; they are vicious fighters and will stand till dead. Rouen Duck eggs in season, $1.00 per 13.

WYANDOTS

WHITE WYANDOT EGGS from pens headed by our prize-winners, $3 per 13, $5 per 26, $10 per 65, $15 per 100. Our strain has won more 1st premiums at leading shows than any in the United States or Canada. JOHN B. FELT, Somerville, Mass.

WHITE WYANDOTS, Golden Wyandots, White Plymouth Rocks, Partridge Cochins, Buff Cochins, Buff Leghorns, S. C. Brown Leghorns, S. C. White Leghorns, R. C. White Leghorns, Pekin Ducks. Stock for sale. Circular free. Show record unsurpassed. Eggs, $1.50 per 13; $8.00 per 100. P. L. DWIGHT, De Ruyter, N. Y.

S. L. WYANDOTTES—Thoroughbreds only. Fine healthy stock, having free range on 100 acres. Cockerels, $1.00, $2.00 and $3.00; pullets, $1.00 and $2.00. Eggs in season, $1.00 to $2.00 per sitting, according to matings. J. M. HAMBLIN, Highlawn Farm, Vienna, Fairfax Co., Va.

NIXON'S White Wyandots are winners at the largest and best shows in America—Madison Square Garden, Trenton, etc. Eggs from selected pens that will produce winners, $2.00 per 13; $3.50 per 26; $5.00 per 40. Illustrated circular free. CHAS. NIXON, Box C, Washington, New Jersey.

G. E. HALTEMAN, Tiffin, Ohio, offers "eggs" from his prize winners, "Golden Wyandots," grand in color and symmetry; winning 21 prizes at three shows this Winter. Cock, 94; pullets, 94, 93½, 93½, 93, 93, 92½ and 92. Bridge, Bicknell and McClave, judges. Also, Partridge Wyandot eggs. Stock for sale. Circular free.

GOLDEN WYANDOTS that win. At Owensboro, Dec. 29 to Jan. 2, 1st Cock, 91; 1st and 2d Hen, 92—90½; 1st and 2d Pullet, 93¼, 91¾; 1st Breeding pen; special for highest scoring Wyandots. At Louisville, Ky., (State Poultry Show), 2d and 3d Cock, 91, 88; 1st, 2d, 3d Hen, 93½, 93, 90½; 1st, 2d, 3d Pullet, 93½, 93, 92. Also breeder of Black Langshans and B. P. Rocks. Eggs, $2.50 per 13; Pen No. 1 B. Langshans and Golden Wyandots, $2.50 per 13. W. E. KEMP, New Albany, Ind.

WYANDOTS—Buff, White, Laced, Golden—Winners at Detroit, Chicago, Lansing, Grand Rapids and Charlotte. Eggs and stock for sale. Circulars free. Members B. C. Poultry Club. W. & W. R. OLIVER, Battle Creek, Mich. Mention The Feather.

WHITE WYANDOT EGGS from large, healthy white birds; nearly every bird in yards has won prizes. Write for awards won at West Chester, Trenton, Elkton, Hagerstown and Mt. Gretna. Why pay $3.00 to $5.00 when you can get just as good at $1.00 per 13 from FRANK S. PIERCE, West Chester, Pa.?

I BREED Buff Wyandots exclusively—My stock is fine. I guarantee entire satisfaction. Eggs, $2.00 per 15; $3.50 per 30. Special inducements for larger numbers. I insure fair hatch. H. D. PRICE, Washington, Warren Co., N. J.

BUFF WYANDOT eggs for hatching from two fine yards, $2.00 per 13 straight. KING & WHITING, Plainville, Mass.

EGGS from choice matings of Silver Wyandots, $1.50 per sitting. At Tiffin (Ohio) Show, 1897, won 1st, 2d and 3d on hens, 2d and 3d on cocks Barred Rock, Houdan and Indian Game eggs, $1.00. Satisfaction guaranteed. D. M. McQUEEN, Bowerston, Ohio.

DR. JOHN A. MYERS, Morgantown, W. Va., offers a few choice sittings from prize winners. Same as we use in the Experiment Station. Wyandots, Leghorns, Plymouth Rocks, Indian Games, Silver Spangled Hamburgs, Golden Sebright Bantams. Sitting, $1.50. Correspondence invited.

S. L. WYANDOTS—For the past ten years I have bred S. L. Wyandots exclusively. Do not sell best hens, but can furnish their eggs at $1.50 per 13; incubator eggs from thoroughbred free-range stock, $3.00 per 100. A few cockerels for sale. J. RILEY LEWIS, Lewis, Ohio.

SILVER LACED WYANDOTTES EXCLUSIVELY. None better, few equal. Number of excellent breeding birds from $2.00 upward. A few extra fine exhibition birds; prices on application. Eggs in season, from best matings, $2.00 per 15. Satisfaction assured. THEO. E. F. HOLZHAUSER, Broad River Poultry Yard, Columbia, S. C.

SILVER AND WHITE WYANDOTS—At Ware, Atherton, judge, I won on Silvers, 1st and 2d pullets, 93½, 93; 1st cockerel, 90; 1st pen, 181¾. On Whites, 2d hen, 92½; 2d cock, 92½; This was in hot competition. Eggs, $1.50. R. G. WILLIAMS, Barre, Mass.

EGGS ABSOLUTELY FREE from large farm-raised S. L. Wyandots. Pen 3 headed by magnificent cock; finest comb and breast I ever saw. Pen 3 averaged 20 3-7 eggs apiece in March; $2 per 13, $3.50 per 36. Two "Wooden Hens" for sale or exchange. W. O. SANDERS, Deer Lick, Pa.

COLUMBIAN WYANDOTS, the new variety having the beautiful markings of the Light Brahma—Eggs, $4 per 13; $10 per 39. Also prize-winning Golden Wyandots, having the open, rich mahogany centers so much sought after by fanciers. Eggs, $2 per 13; $5 per 39. Mention The Feather. L. H. DAVIS, Port Jefferson, N. Y.

COCHINS

H. A. LOGUE, Hagerstown, Md.—Buff Cochins exclusively. Winners at Mt. Gretna, Pa., Carlisle, Pa., and Hagerstown, Md., 1895 and 1896. At Hagerstown, 1896, with 3 entries, won 1st on pullet, 2d on cock and 2d on pen. Eggs, $2 for 13.

BLUE RIBBON WINNERS at New York, 1st and 4th Cock, 1st and 3d Hen, 1st Pullet, 1st White Pen, 1st Black Pen, and my past record at Washington, New York, and other places on my Black, White and Buff Cochins. Eggs from my prize-winners, $2 per 13. Stock for sale. GEO. E. WRIGHT, Patterson, N. Y.

FRANK E. SILLOWAY, Newburyport, Mass. Breeder of choice Partridge Cochins and Light Brahmas. 50 cockerels for sale from my prize winners at Malden and Amesbury; judges, N. A. Knapp and I. K. Felch.

R. P. THOMPSON, Patterson, N. Y., breeder of prize White, Buff and Black Cochins Eggs, $2.00 per 15, $5.00 for three sittings, from my New York and Washington prize pens. 20 White and Buff cockerels, $3.00 each; 2 for $5.00. 10 yearling cocks, $3.00 to $5.00 each.

EGGS, ONE DOLLAR per 13—Buff Cochins, Indian Games, W. Wyandots and Redcaps. Get the best at the lowest price. Stock carefully mated for best results. Satisfaction guaranteed. FENTON SHERWOOD, Suffern, N. Y.

MINORCAS

WHITE MINORCAS—At Elmira Show, January, 1897, won 1st on pen, 1st and 2d on cockerels, 1st on pullet and all specials. Fine, large birds for sale. Eggs, $2.00 a setting. MRS. JAMES OSBORNE, Box O, Fabius, N. Y.

IT AIN'T NO LIE—My Black Minorcas and Barred P. Rocks are as fine as you can find in the South. If eggs bought of me don't prove it they don't cost you a cent. H. B. LANSDEN, R. R. and Express Agent, New Market, Ala.

ROSE COMB MINORCAS, Buff Rocks, Buff Wyandots, Rose Comb White Leghorns, finest strains in America; Eggs for hatching lowest price for quality; fertile, and safe arrival guaranteed; fifteen years experience; correspondence invited. Bear in mind, Fancy Stock, but not fancy prices. J. M. MAXWELL, Pattenburg, New Jersey.

BLACK MINORCAS of the Highest Type of excellence. Stock which has won high honors at New York, Binghamton, and at Rochester Jan., 1897. Gold watch special, first on pen, and twelve regular premiums. Eggs, $3, 13; $5. 26. C. J. ANDRUSS, Canandaigua, N. Y.

BLACK MINORCAS—Eggs from fine imported stock, $2.00 per 13. Buff Leghorns, $1.50 per 15; $4.00 per 45. Let me book your orders now and I will agree to satisfy you. I ship nothing but freshly-laid eggs. GEORGE L. ROCKWELL, Ridgefield, Conn.

ROSE COMB BLACK MINORCAS—Choice cockerels and pullets, $1.50 to $2.00 each. Eggs, $1.50 per 13; $3.00 per 30. B. P. Rock eggs, $1.00 per 13; $2.00 per 30. No circulars. A. B. HOLLINGSWORTH, Wilna, Md.

BLACK MINORCA winners at New York, Elmira, Binghamton and other shows. Eggs, $3.00 for 13; $5.00 for 26. Send for circular. SANTEE & CUNNINGHAM, Box 400, Chenango Bridge, N. Y.

A. W. STIEFEL'S Black Minorcas won 1st cockerel, cock and pen, 2d hen, and 1st, 2d and 4th pullets at the Des Moines Valley Poultry Show. Choice stock for sale. Eggs from prize matings, $3.00 per 13. Burlington, Ia.

BREEDER of Black Minorcas, Buff Cochins and Barred Plymouth Rocks. My cocks of these three strains are hard to beat anywhere, as shown by the scores made by each. My 1897 birds will do better, as shown by the make-up of the pens this year. Eggs, $1.50 per 13. Address RIVERSIDE POULTRY YARDS, Allegheny, Pennsylvania.

BLACK MINORCAS—My stock is first-class. Every honest endeavor made to please all customers. Eggs from fine prize winners at $1.50 for 15. R. B. RAGSDALE, Munson St., Knoxville, Tenn.

DOLLAR EGGS—Black Minorcas, sired by son of Black Giant (Northup's.; Barred Plymouth Rocks (Thompson's strain). Eggs from these birds only $1.00 per 13. Try me; I will treat you right. Stock standard bred and mated for best results. No stock for sale. JOHN E. WEST, Columbia, Pa.

MINORCAS FOR PROFIT EVERY TIME—Thoroughbred high-scoring heavy weights, headed by a 7¾ pound, 92 point cockerel; 5 of those laid 140 eggs last April; $1.50 per 13, $2.25 per 26; 9 chicks guaranteed or will duplicate order for 25 cents a setting. A. H. FLUCK, Dubuque, Ia.

NORTHUP'S MINORCAS win more prizes for his customers than any other four strains combined. Catalogue (free) contains pictures of 21 most noted Minorcas in America. Stock and eggs for sale. Hatch guaranteed regardless of distance. GEORGE H. NORTHUP, Box 307, Raceville, N. Y.

G. R. WILLSON, West Thomas Street, Rome, Oneida County, N. Y. — Originator and breeder of the Metallic-green Strain of Black Minorcas exclusively. Great station and heavy weight. At the Utica Show, 1897, I won 1st cock, scored 94 with comb frosted; tie 1st hen, 95; 1st cockerel, 95; tie 2d pullet, 95; 2d breeding pen, 188⅝; tie 3d cockerel, 94. Rockenstyre, judge. At the Oneida Show, 1895, I won 1st pair fowls, 91½, 93; 1st pair chickens, 95, 94; 2d pair chickens, 92½, 94. Bicknell, judge. Eggs, $2 per 13. Stock always for sale. Write for circular.

POLISH

AMERICA'S best in White Crested Black, Buff Laced and Plain Golden Polish. Great sweep at Hagerstown, New York and Washington. First prize winners at Madison Square Garden, N. Y., head my yards. Fowls and eggs in season. Send for list of premiums won. J. W. BRUCKART, Lititz, Pa.

POLISH—S. F. Gulliford, Akron, Ohio., "The home of the Polish fowl," White Crested Black, Bearded Golden, Bearded Silver and Bearded Buff Laced Polish. For the last twelve years my Polish have stood without a rival at our greatest exhibitions.

LANGSHANS

MRS. J. J. HAYSLIP, Bartlett, Tex., breeder of high-class prize-winning Black Langshans. Eggs in season, $2.00 per 13. Price of fowls, a matter of correspondence. My birds are from the well-known breeders, Wm. M. Hughes, Albert Lemen and Mrs. M. A. Smith, mated for the best results by H. B. Savage.

SILVER HILL POULTRY FARM, MRS. C. M. KELLEY, Newark, N. Y.—Farm-raised Black and White Langshans. Our stock has won this season 23 first prizes out of a possible 24, 17 seconds out of a possible 19. Send for circular.

BLACK LANGSHANS EXCLUSIVELY—Free range; best layers and table fowl. Eggs, $1.00 per 13. Address J. H. BORMANN, Station M, New York, N. Y.

WHITE and Blue Langshans, W. Minorcas, Golden Wyandots—At Binghamton, 1896-97, won all 1st and 2d prizes. New York, 1896-97, Whites won on cocks, 1st and 2d; hens, 1st and 3d; cockerels, 1st and 3d; pullets, 3d and 4th. Eggs, $2.00. BLAIR & SHERMAN, Castle Creek, N. Y.

NORTHROP'S BLACK LANGSHANS. Our birds won at Jackson, Grand Rapids, Lansing and Detroit. Our pens are mated from prize winners for best results. Our $3.00 eggs for $2.00 per sitting. A few fine cockerels cheap. B. D. NORTHROP & SON, Lansing, Mich.

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CONESTOGA Poultry Yards, Conestoga, Pa.—Black Langshans, Buff Cochins and Barred Plymouth Rocks. Eggs, $1.00 per 13. A few cockerels for sale. Write for catalogue. DR. I. M. WITMER.

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SILVER SPANGLED HAMBURGS EXCLUSIVELY—Winners of 7 regular and 2 special prizes at Erie, Pa. Cockerels for sale, including several prize winners; also, 20 pullets. Eggs, $2.00 per sitting. Mention The Feather. H. Y. MILLER, Sugar Grove, Pa.

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HOMING PIGEONS mated for flying or squab breeding, $1.00 and $2.00 per pair. Books on Breeding and Training, 25 cents (stamps); Money in Squabs, 20 cents; Pigeon Queries, 25 cents; Dogs, Rabbits, Cage Birds, Poultry, 10 cents each. Seamless and open aluminum leg bands, pedigree blanks and cards. Catalogues free. F. L. HOOPER, Station D, Baltimore, Md.

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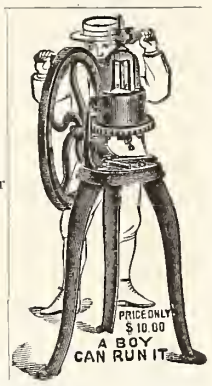


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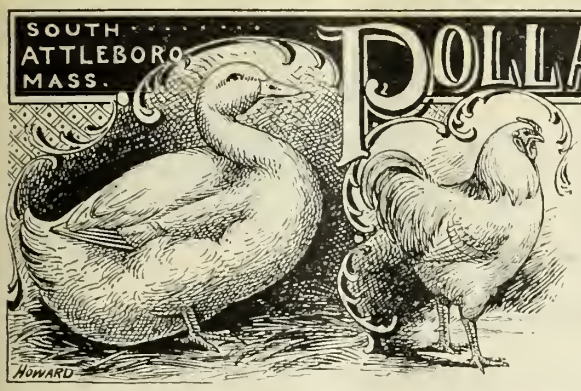
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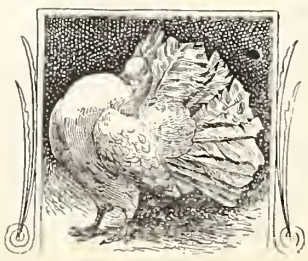
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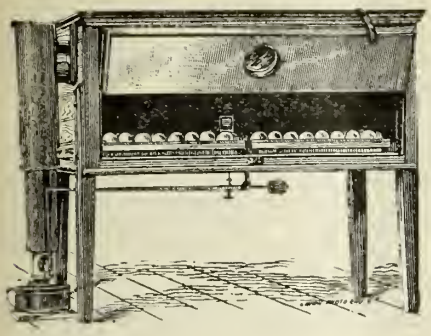


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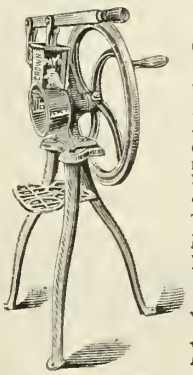
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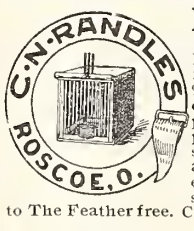
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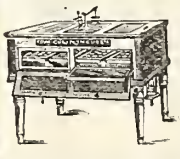
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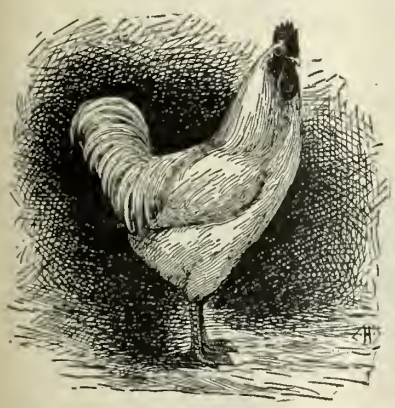
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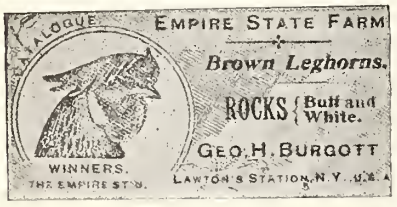
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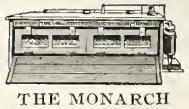
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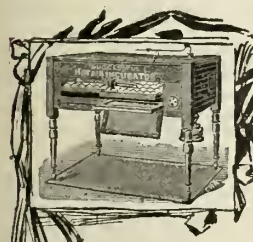
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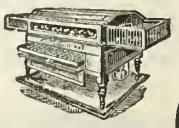
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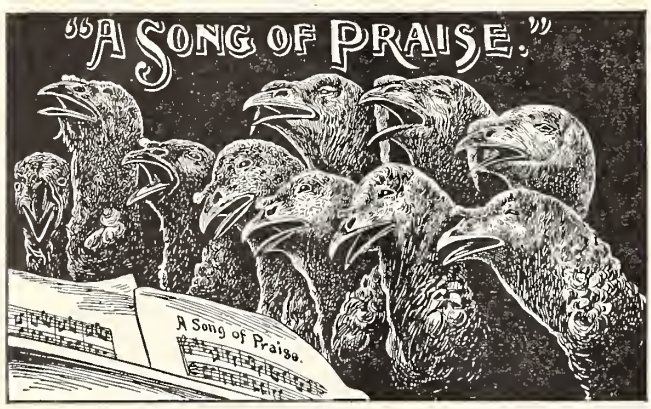
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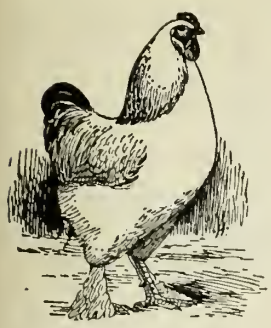
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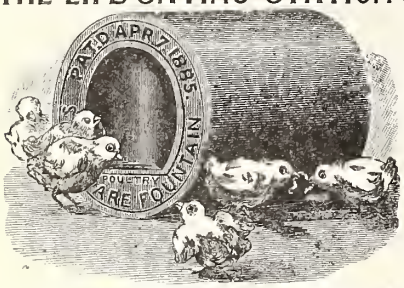
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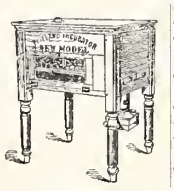
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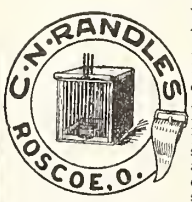
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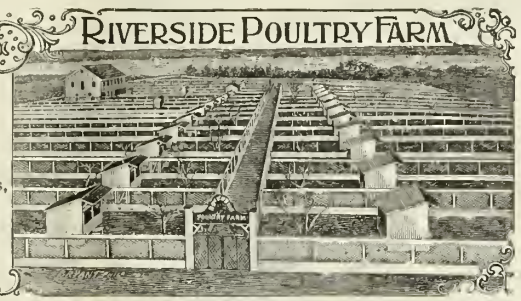
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Pekin Ducks,
S. C. Br. and S. C. Wh. Leghorns,
Barred and White P. Rocks,
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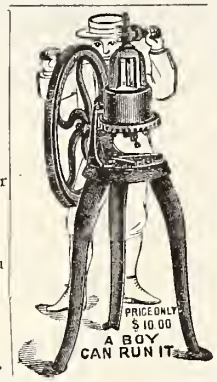


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Stock for sale in Barred Plymouth Rocks, S. C. Brown Leghorns and Minorcas. One trio of S. C. Brown Leghorns for sale, $5.00 if taken at once. Extra fine birds. Address

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"Common Sense of **DOG** Doctoring," a concise and up-to-date popular treatise. Price (mail free), 25 cents.

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It will be well for poultrymen to remember that **L. L. K.** means

Lee's Lice Killer.

Certain unscrupulous parties who find it difficult to secure trade on the merit of their goods have adopted names bearing the initials L. L. K. and advertise that they have L. L. K. for sale, attempting to take advantage and secure trade on the established reputation of LEE'S LICE KILLER under the abbreviation used by most poultry writers, and also by ourselves, of L. L. K. There is only one L. L. K. and it is manufactured by us. We are represented in the East by our General Agent, D. A. Mount, Jamesburg, N. J., and by 1,500 local agents in every State in the Union. We manufacture Insecticides and Disinfectants, a full line, and will be pleased to send circulars and printed matter on request, also the name of nearest agent. Lee's Lice Killer, ½ gal., 50c.; 1 gal., 75c.; 5 gals., $3.00.

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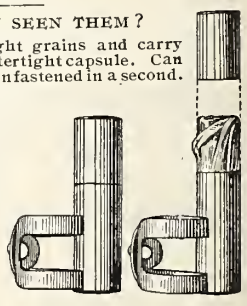
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Weigh only eight grains and carry a message in watertight capsule. Can be fastened and unfastened in a second. Used by United States Government. Price, 15 cents each, or 2 for 25 cents. Special rates to clubs. For sale by

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S. C. Brown and Buff Leghorns

EGGS $3.00 per 13. $5.00 per 26. | **NONE BETTER**

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BRACE & WALLING, Victor, N. Y., U. S. A.

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10	BARRED PLYMOUTH ROCK "	"	$1.50	"
10	" "	"	$1.00	"
2	" "	"	$2.00	"

Young stock for sale from LIGHT BRAHMAS, BARRED PLYMOUTH ROCKS, WHITE WYANDOTS, PARTRIDGE COCHINS, SILVER GRAY DORKINGS, S. C. BROWN LEGHORNS. All correspondence cheerfully answered. Address

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ANIMAL Meal, Meat Scraps, Sun-flower Seed, Rust's Egg Producer, Sheridan's Condition Powders, Ground Charcoal, etc. Ground Oyster Shells at 75c. per 100 pounds; Ground Bone at $2.50 per 100 pounds; Mica Crystal and White Lime Grit at $1.00 per 100 pounds. Green Bone Mills and Prairie State Incubators. Also, Garden, Flower and Field Seeds. Illustrated Catalogue mailed free.

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AN AD. In The Feather Is Sure to Pay You

The Feather

A National Journal Devoted to Poultry, Pigeons, Birds, Etc.

VOL. II. NO. 8. WASHINGTON, D. C., MAY, 1897. FIVE CENTS.

POULTRY ILLUSTRATIONS.

An Answer to the Criticisms of our Albany Contemporary.

WE FEEL constrained to answer the criticisms of the poultry editor of our esteemed contemporary, the *Country Gentleman*, under date of April 29, 1897.

These criticisms are made on the work of the editor of this journal as given in Farmers' Bulletin, No. 51, "Standard Varieties of Chickens," recently issued by the Department of Agriculture. This work has been exceedingly popular and has given universal satisfaction, if we except the poultry editor of the *Country Gentleman*. The flattering notices of the press, congratulatory letters from individuals, and the large demands made for the work, lead us to this conclusion. The design of the Bulletin was to meet the constant demand for a concise treatise on the varieties of chickens, and it was not intended for a technical, ideal translation of the standard qualifications of the several varieties as a fancier would have them.

The dissertation of the poultry editor of the *Country Gentleman* is noticeable for its lack of knowledge and his unfamiliarity as to the general appearance of our domestic poultry. Evidently he is entirely new at the business. Note what he says:

> The most noticeable part of the pamphlet is the caricatures of the different varieties scattered through its pages and supposed to illustrate the appearance of specimens. It is hardly worth while to criticise them all, but we reproduce a few which will give an idea of the general character of these valuable illustrations.

Caricatures is a good word in its place, but we believe that it can more aptly be applied to matter he furnishes his readers than to that which is given the readers of the Bulletin. Our study in delineating the feathered tribes has convinced us that it is a most arduous task, but in all the long years of our work we have never before been accused of being a cartoonist.

Note the *serious* criticism on the Black Langshan hen in Fig. 16. He says:

> In Fig. 16 we find the most extraordinary female, as to shape of tail, we have ever seen. We could not have known what variety she is meant to represent, had not the author printed the name beneath, calling her a Langshan.

The merit of the above is left to our readers. The pair of Langshans were made from photos. and were drawn as photographed and not *straightened out* to please an individual fancy. He made no comment on the cock in the picture, because it is posed more after the manner our critic has been accustomed to seeing Langshans posed. The hen was a little out of the *customary*, and he was not used to seeing hens posed in pictures like that, hence his remarks. We assure him that we are capable of the *straightening out* process too, but our aim in illustrating the Bulletin was to show the reader as near as possible the real thing. He will hardly believe the hen is the better specimen of the two, yet it is a fact.



FIG. 18. HEAD OF BROWN LEGHORN COCK.
Reproduced from Farmers' Bulletin, No. 51.

The head of ideal Brown Leghorn cock shown in Fig. 18, is another one of his themes. Following are his comments:

> In Fig. 18 we see the head of a male with an egg pasted on the side below the eye. Evidently the artist was not familiar with his subject; still he must have known that males do not lay eggs, or have them glued to their heads. Perhaps he meant to illustrate that this breed laid a white egg although brown in plumage If we look at it in this light, it was clever in him to show so clearly that it does not require, always, a white fowl to lay a white egg.

We can but wonder if our critic is in earnest when he writes as above. How well has it been impressed upon our mind that the one thing to show in a Leghorn's or Minorca's head is the whiteness of the lobe. Several years ago, perhaps before our critic's entry into the poultry arena, there were numerous ideals submitted on the perfect head of the Leghorn. We now have several such before us, and the lobe was characteristically white Our intercourse with Leghorn breeders has led us to follow this teaching, and we have never failed to leave the lobe in heads of Leghorns and Minorcas white or nearly white. A Leghorn breeder will appreciate such a head.

Had our critic been thoroughly conversant with his subject, he might have criticised the head of Brown Leghorn hen, Fig. 19, as it may be a *little faulty*. We infer that if our critic had seen the illustration of ideal Light Brahma male, which Mr. Felch gave the public several years ago, he would have said that

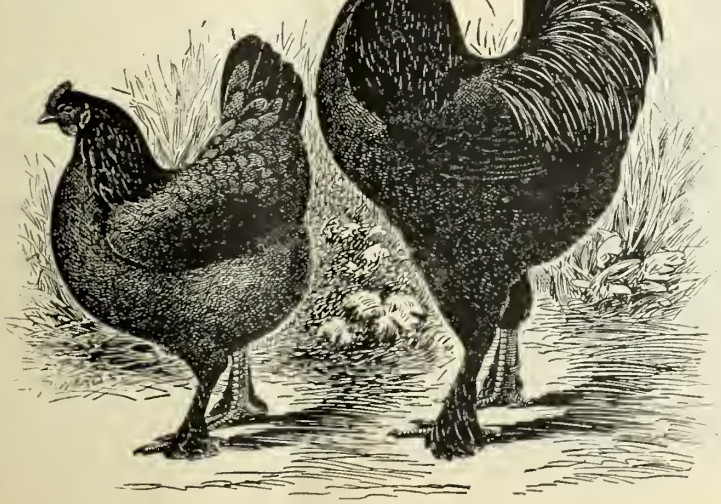
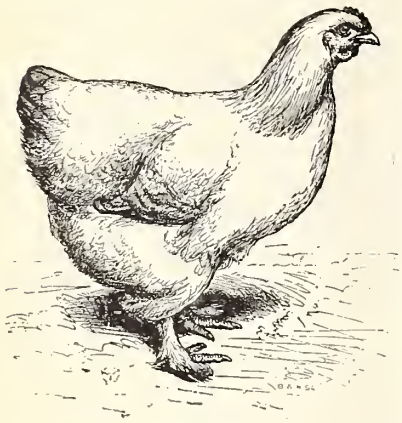


FIG. 16. PAIR BLACK LANGSHANS.
Reproduced from Farmers' Bulletin, No. 51. This is the hen which so amuses the *Country Gentleman's* Poultry Editor.



COCHIN HEN.
Reproduced from the book, "Profitable Poultry Keeping, with Original Illustrations."

Brahma males laid eggs on their backs. It will be remembered, Mr. Felch, in his excellent ideal, showed an outline egg on back of male to define the curve of back.

Exceptions are also taken to the illustrations of Black Spanish and Bearded Silver Polish hen. The Polish hen which amuses him so much has been complimented by several Polish breeders. In a previous issue of THE FEATHER we published a pair of Bearded Silver Polish (male and female) which pleased our readers so much that several have had duplicates made for their catalogues. Mr. D. Lincoln Orr, who makes a specialty of all varieties of Polish, is using that pair on his new catalogue cover; evidently he didn't take it for "a new variety of clover," or as having "a new kind of strawberry on its head." Mr. H. A. Munson, who knows a little about Polish, is also using the illustration of the pair. If our critic will write Mr. Orr for his catalogue he will see the exact model of the hen.

The business has now become monotonous to our critic, for he makes a clean sweep of the balance of the work. Listen to this:

> The remaining cuts show us Plymouth Rocks resembling the child's delight, the wooden Noah's ark "chicken;" Wyandots with Cochin form; Brahmas out of all proportion in drawing; a Partridge Cochin hen with apparently wooden map blocks for toe-featheriug; four alleged Leghorns, only one of which resembles this variety; and an Andalusian hen which could well pass for a specimen of the English Orpington by changing the comb. The cuts, to speak plainly, are ridiculous monstrosities and would disgrace a twenty-five-cent-a-year publication. The literary matter is commonplace and far from instructive—a re-hash of old and inferior writings and of no benefit to breeders or any one else.

This one paragraph convinces us more fully than ever that the editor of the poultry department of our esteemed contemporary should take a course in poultry culture. He needs it badly. We show on our cover a Wyandot cockerel of the same type made from a photo. of a bird owned by Mrs. Anna Morrison, of College Springs, Ia. When Mrs. Morrison saw the proof of this bird she was delighted and expressed herself very flatteringly. Yet our critic says they have Cochin forms. He says there were "four alleged Leghorns." We take extreme pleasure in publishing three illustrations which we have reproduced from our critic's own paper, which are labelled, White Leghorn cock, Brown Leghorns and Duckwing Leghorns.

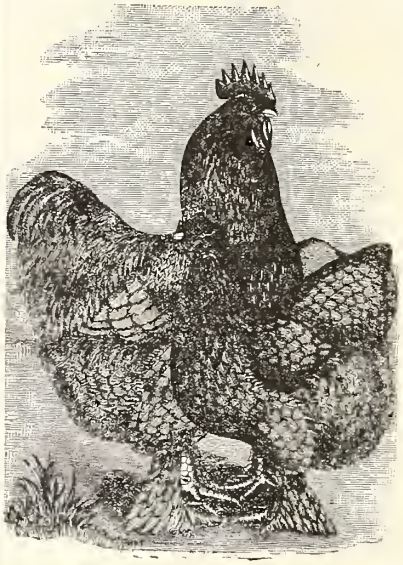


FIG. 65. PAIR OF BUFF COCHINS.
Reproduced from the book, "Profits in Poultry, Profusely Illustrated."



BROWN LEGHORNS.
Reproduced from the book, "Profitable Poultry Keeping, with Original Illustrations."

We submit them to the Leghorn breeders of America as our competent critic's authoratative illustrations of the dainty, frolicsome, splendidly outlined Leghorn fowl.

The Barred Rocks don't please, they were not printed with his approval. They look something like Rocks, but resemble those from the Ark. Let us compare them with the following cut which we have reproduced from one of the books he is recommending to his readers. In the standing column "The best books, latest and most complete works on rural topics," we find, under date of April 29, 1897, the following:

> In view of many inquiries, the publishers of the *Country Gentleman* beg to suggest the following as certainly among the first of their respective kinds to be selected. The list will be kept constantly revised, as new works or new editions appear, and may always be trusted as thoroughly up to date and including nothing that is not well worth having. Orders will be promptly filled, by mail, postpaid.
>
> "PROFITS IN POULTRY—Useful and Ornamental Breeds and their Profitable Management;" 256 pages, 12mo..... $1.00

This illustration is Fig. 76, page 169, and is labelled "Plymouth Rock Fowls;" in the book he advises his readers to buy from "their constantly revised and up-to-date list of books worth having." Is further comment necessary? If our illustrations take their date from the time the Ark landed, surely these must go back a century or two further, when history forgot to make itself. Breeders of Barred Rocks should apply to him for the privilege of adopting this as their standard. The book only costs $1.00 a copy.

There are so many interesting pictures of *doubtful* date in this book that we hardly know which to select. However, we will risk it and reprint Fig. 65, page 133, Pair of Buff Cochins. In the Bulletin we published on page 13, Fig. 11, Pair of Buff Cochins. This pair is carefully drawn from a photograph of cock owned by Oakland Farm, and photo. of hen owned by the Lynnhurst Yards; Fig. 12, is back view of Buff cock, also owned by the Oakland Farm, and Fig. 13, is a Partridge Cochin hen owned by H. M. Thomas, Camden, Del. Has our critic ever heard of these breeders and their Cochins? We have shown the original photos. from which these drawings were made to several Cochin friends, and after comparing them with the plates in the Bulletin they marvel at the close resemblance.

These two are about all the space we

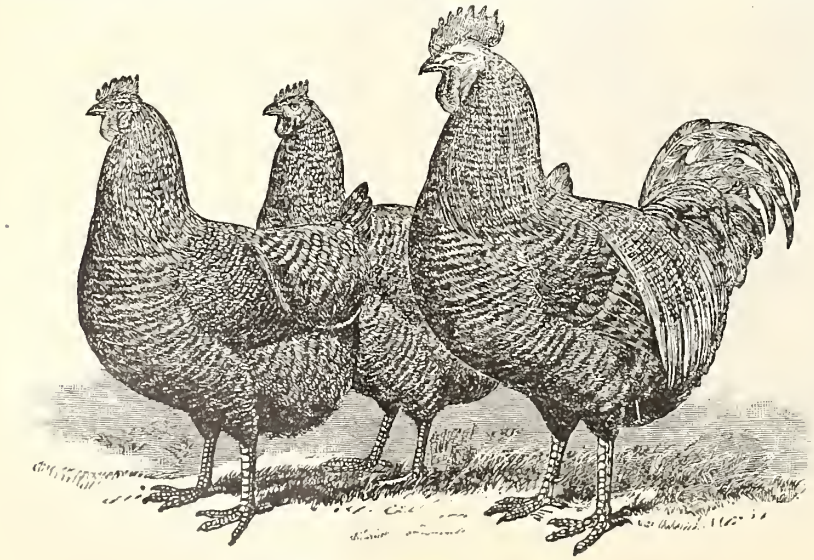
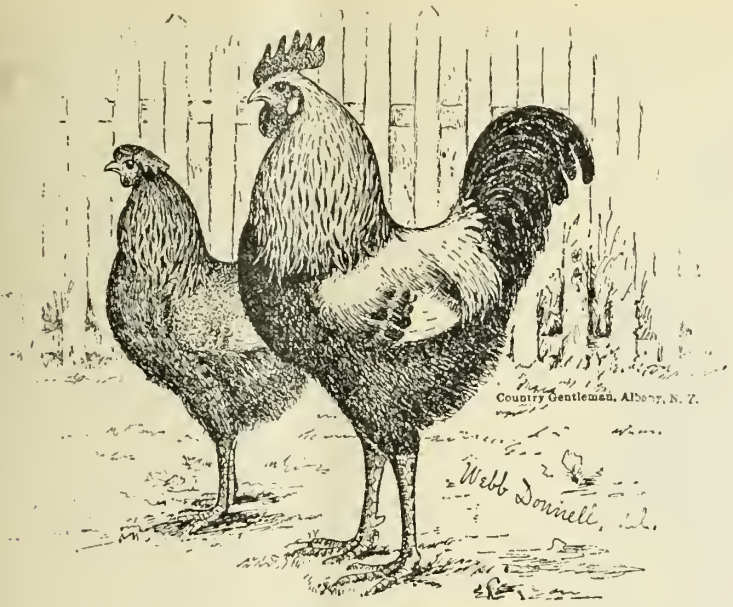


FIG. 76. PLYMOUTH ROCK FOWLS.
Reproduced from the book, "Profits in Poultry, Profusely Illustrated."



DUCKWING LEGHORNS.

Reproduced from the *Country Gentleman*. Showing the Leghorn type it gives its readers.

can spare for reproductions from this "up-to-date book," which the *Country Gentleman* advises its readers to buy. From the same column of "Best Books," under date of May 6, 1897, we clip another inducement to his already over-induced poultry readers as follows:

The editors of the *Country Gentleman* suggest the following books as certainly among the first of their respective kinds to be selected, and will be glad to fill orders.

"PROFITABLE POULTRY KEEPING, by Stephen Beale and Mason C. Weld—a standard work"..... $1.50

This is a *standard work*, according to the *Country Gentleman*, written by their foreign correspondent, illustrated by we don't know who, and only costs their readers $1.50 a copy. The illustrations are as abtruse as those of the dollar-a-copy book. We show in reproduction a Cochin hen, page 87, of the *Country Gentleman's* standard work. We suggest it to the Revision Committee of the Standard when they begin their work. It is typically Cochiny. (?) Another refreshing illustration is here reproduced from page 107, of the same standard work; it is a pair of Brown Leghorns. The cover of this work says, "With Original Illustrations;" we imagine they are such, but should not care to think we had any responsibility for their making. Those who have a copy of the Bulletin may make comparisons. Neither of these "up-to-date books" which the *Country Gentleman* is offering its readers at exorbitant prices has been revised from eleven to fourteen years.

While we are on the subject of books we cannot but notice the concluding paragraph of our critic; he ends his task by saying:

And even if the treatise had been properly prepared by competent hands, what possible right has any department of the Government to enter thus into direct competition with the perfectly legitimate enterprises of private publishers? The tapeworm treatise, a technical scientific report, was a different matter. Descriptions of varieties of fowls form a large part of the material of most poultry books, and to the publishers of such books such matter should be left. The *Country Gentleman* has of course no sort of financial interest in the question, its proprietors never having had, and never expecting to have, anything whatever to do with the issuing of a book on poultry. We speak simply as impartial observers. As such, the issuing of pamphlets like this seems to us as indefensible in theory as the publication under review is wretched in execution.

We believe the gist of our critic's remarks is in this paragraph; it is the hub to the wheel and the milk in the cocoanut. *Even* if the Bulletin had been perfection itself, *what possible right had the Government to publish it?* This is a query that almost any American citizen could answer without much exertion. It is one which concerns us all. What is elevating the agricultural industries of America if it is not the United States Department of Agriculture and kindred State departments with their experiment stations? Do we found these institutions to investigate *the best things* for the people, and then close their mouths like clams and keep their knowledge to themselves? Such talk of interfering with "the perfectly legitimate enterprises of private publishers," is all bosh. How many of our "private publishers" are squirming under such a yoke? The narrowness of such an expression is beyond comprehension; it is too flimsy to bear its own weight and too weak to stand alone. How many, we ask, of the army of publishers in America to-day have *even attempled* the publication of such a work? Even this one firm which is so forcibly appealing to its readers is offering for sale an antiquated, expensive, foreign book.

Who has supplied the manifest demand for a brief, reliable, illustrated description of our standard fowls, which can be placed in the hands of the great mass of our people and by which they can select the variety best suited to their needs and conditions?

New Haven Poultry Association.

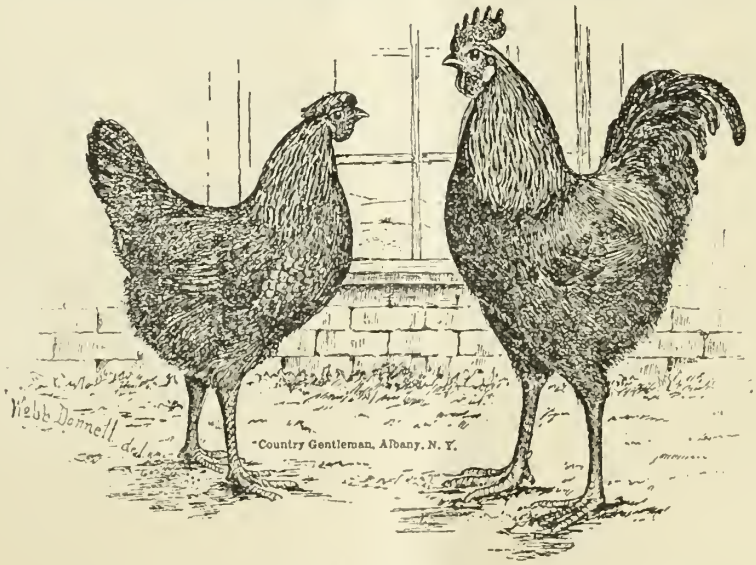
At the recent annual meeting of the New Haven (Conn.) Poultry Association the following officers were elected: President, Wooster P. Ensign; vice-presidents, C. P. Jordan, W. A. Pease and A. C. Agnew; secretary, N. D. Forbes; assistant secretary, D. C. Sanford; treasurer, E. A. Todd; executive committee, H. R. Stadtmuller, J. E. Munson, D. A. Nichols, W. G. Dorking and W. R. Kirkwood; finance committee, E. L. Jones, A. N. Farnham, A. Stover, C. W. Bonnell and C. H. Wells; superintendent, C. H. Wakelee. It was decided to hold a show next Winter and the president was appointed a committee to secure a suitable hall; this he has succeeded in doing and the dates are the last three days in December and the first day in January.

N. D. FORBES, Sec'y.



WHITE LEGHORN.

The approved drawing of the *Country Gentleman* as it appeared in its serial on "The Leghorn Fowl."



BROWN LEGHORNS.

An exact reproduction from our critic's own paper. Selected to show the art he indorses compared with that which he criticises.

A WESTERN RANCH.

Pedigreed Barred Plymouth Rocks—Fruit and Poultry Culture Combined.

BY WM. H. RHEES.

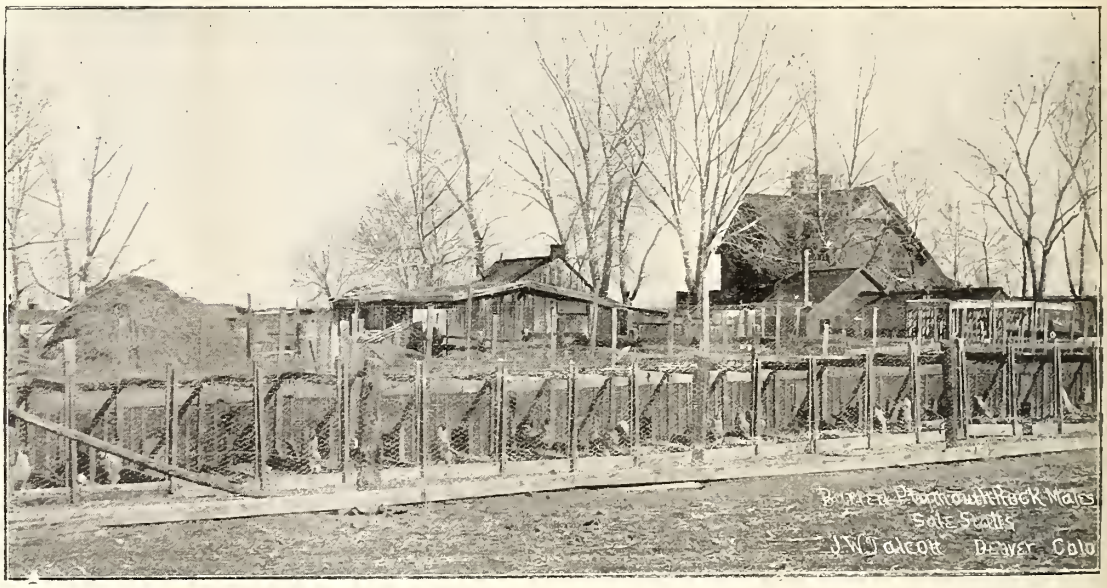
A TRUE fancier and lover of the feathered tribes will not find it difficult in almost any section of this great country to discover brother poultrymen and congenial acquaintances among the great fraternity engaged in raising thoroughbred stock. What a good-natured, hospitable class of people they are as a general rule!

The men and women who have this love and admiration, not merely as a source of income, for the different members of the feathered world are very good folks to know. Although they are often called cranks, we will wager sixteen to one you will never regret the enjoyment of knowing such hearty good friends. This brotherhood of fanciers extends from the Atlantic to the Pacific oceans and from Canada to the Gulf of Mexico, but nowhere will one find more true-hearted, generous poultry raisers than in the West. We must admire the bright, brainy hard-working poulterer in this section of our country for the results already achieved. The citizens of this section to-day amid the discouraging influences of low prices, over-production, and general depression of business interests, are making a brave fight to adapt themselves to the new conditions. To know these Western hustlers is to admire and love them for their tenacity of purpose and the energy and ability with which they are ever pushing forward all lines of progressive development.

In journeying across the plains westward, the traveler fails to realize as the train passes over miles of prairies the gradual ascent and an altitude of over a mile is reached before sight of the true mountain ranges of the Rockies is obtained with all their majestic grandeur and snow-capped peaks. Denver, Colo., the metropolis of the Rocky Mountain region, does credit to Western enterprise and thrift. The thoroughbred fowl has many admirers and enthusiastic breeders in the great State of Colorado. Three successful poultry shows were held during the past season and the local fanciers have been able to exhibit birds of their own breeding comparing very favorably with the winners of the Eastern shows.

Among the pioneer fanciers of the West no one is better known and has a better reputation for honesty and ability as a breeder of thoroughbred fowls than Mr. J. W. Talcott, of Denver, Colo. For over twenty years he has been fighting the battle of the pure-bred fowl against the scrub, and deserves great credit and reward for his untiring efforts in this good work and for the example set by his own achievements and success. Mr. Talcott has been identified with the building up of a flourishing fraternity of fanciers in Colorado. He helped form the Colorado Poultry Association and was for three years its efficient president. Such men who have the faith and courage to overcome the trials and prejudices of the pioneer days and who establish the superiority of thoroughbred stock, seldom receive the honor due them. The world rushes on, "every one for himself" is the cry, and little thought is given to the workers of yesterday who made possible the brilliant achievements of to-day.

A Colorado poultry ranch is not very different from those in the Eastern States. The "wild and woolly West" proves on close inspection to be somewhat of a romance. A great many good people make a big mistake when they imagine all civilization, culture and progress is located east of the Mississippi River.



MR. TALCOTT'S SALE STALLS.

One of the most enjoyable trolley rides around Denver, and there are not a few, can be had by taking a South Broadway electric car. The line runs almost straight south for nearly eight miles and after passing through the business and residence sections of the city the excursionist is soon in the suburbs and open country. One of the first things noticed by a visitor to Denver is the number of small brick houses in the suburbs. In fact, frame buildings are prominently absent, even in the city proper. Certainly it seems queer to see so many one and two-story brick cottages. Whether this universal use of brick is caused by strict fire regulations or cheaper cost, we cannot say. At any rate, there is a sad sameness about the architecture.

As the car sped along we had a fine view toward the west of the magnificent mountain range, with its majestic snow-covered peaks and the rock-covered foothill in the foreground. Reaching far to the north, the supreme height is reached by beautiful Long's Peak and many miles to the south we can see the outline of Pike's Peak. After a pleasant six-mile ride we left the car and a half-mile walk to the west brought us to the La Platte Poultry Ranch, owned by Mr. J. W. Talcott. It is situated in the valley of the Platte River and almost in the shadow of the Rockies. This ranch consists of considerably less than one hundred acres and proves that intensive farming pays much better than extensive poor cultivation. The residence is a neat, modern two-story frame cottage, surrounded by numerous shade and fruit trees and approached by a drive from the main road, lined on either side by tall trees. Poultry raising and fruit culture are combined and also the raising of a small amount of certain early market vegetables. A visit to this ranch will show that the owner believes in following the motto, "not how many, but how good," and thereby secures the best prices for his fruit and poultry products. Many acres are devoted to small fruits, such as strawberries, currants and gooseberries and fruit trees.

A large asparagus bed is also a source of profit and grows extremely well in the alkali soil. He, however, admits that should he give his whole time to one thing, it would certainly be poultry. In Colorado, to raise any kind of vegetation with success, one must irrigate. Mr. Talcott is fortunate in being located on the city irrigation ditch which brings water from a dam in the river twenty miles away and carries it along farms and ranches to the city of Denver. This is the best rain-maker yet invented.

Mr. Talcott has devoted himself to perfecting the Barred Plymouth Rock and has produced, after twenty years' labor and experience, a strain of which any fancier would be proud. To obtain a high degree of success in producing the highest type of perfection in Barred Plymouth Rocks is no easy task. The difficulties in attaining the correct matings to produce birds necessary to fulfill the requirements of the Standard of Perfection, demand the utmost skill and long experience on the part of fanciers of this popular variety of fowls.

There is no fancier in the West who can approach the record of honors won by Mr. Talcott in this variety. Year

after year exhibiting in the strongest competition, his birds have always been winners. The most creditable part of it being the fact that he raises his own show birds and don't buy them. Beyond a doubt the introduction of the Barred Plymouth Rock has done more to improve the average quality of poultry among farmers of this country than all other efforts. We are not breeders of the Plymouth Rock, nor do we believe they are by any means a perfect general purpose breed of fowls, but we cheerfully give them credit for what has been done for the most part, in demonstrating the superiority of the thoroughbred over the scrub barn-yard fowl. Another fact must be admitted, it is easier to sell a farmer a poor Plymouth Rock at a fair price, and it is easier to sell a fancier a first prize winner at a high price, than to make a sale of a bird of any other variety. Surely it is a big help to the fancier to know that a demand exists for the best birds that can be produced in his variety. To breed the best of any variety amid the skill and competition of to-day, is no child's play; but to add to this the task of proving the good qualities of a breed or of creating an appreciation which will give a profitable market value, few have the courage and patience to perform. These are the pioneer fanciers to whom the fraternity of lovers of the thoroughbred owe so much.

To visit the farm of any successful poultry raiser should teach us many lessons. Mr. Talcott has bred cockerels scoring 95 points by I. K. Felch in the show room, and females pronounced by the same judge "as fine in markings and purity of color as it is possible to breed." Not many have reached such excellence and we desire to learn the rules and methods used in mating and selection to attain these results that we can do likewise.

One goes for a walk in the woods, he sees lovely wild flowers of many beautiful tints and hues, he hears the songs and warbles of the birds. Yet can he return home and write out a rule whereby an artist can reproduce with any fidelity the delicate colorings of the wild flowers? Can he write out the notes so the skilled musician successfully imitates the wonderful trills and whistles of the feathered songsters? The production of high ideals requires genius. No rules were followed in producing the masterpieces of Michael Angelo, Rembrandt or Raphael. The great composers Mozart, Wagner or Verdi did not produce their immortal works by any set of rules.

To achieve fame as a fancier, to learn how to mate scientifically, search as we may, there will not be found a concise rule suitable alike in all cases and conditions. There are lessons that the beginner must learn by experience. His experience may prove that he does not possess the power and ability to mould nature's forms and colors to standard ideals.

Mr. Talcott does not practice extreme matings in coloring, but has now a strain from which is secured a fair average of high-scoring male and female exhibition birds. Among the prominent breeders in the East of this variety the double mating system is generally used. However, there seems to be a desire among the best fanciers for a change, and they would welcome any method capable of producing prize winners of either sex from the same pen.

Mr. Talcott's poultry houses are plain

First Prize Cockerel
at New York,
1897.
Bred and owned by
E. B. THOMPSON,
AMENIA, N. Y.



BARRED ROCK COCKEREL AS BRED BY E. B. THOMPSON.

but useful; no fancy trimmings just for looks. They are arranged somewhat on the colony plan, each having a yard attached. The most interesting feature of this ranch is called the sale stalls. We have never seen this arrangement elsewhere and believe many fanciers could adopt it with profit and convenience. A cut of these stalls is given in this number of THE FEATHER. The advantage and necessity of some place to keep surplus cockerels separate, where they can be easily shown customers is soon evident to any extensive breeder. What a sight it was to walk along these sale stalls and see so many crack cockerels on parade, each in his own pen! It was as good as a poultry show outdoors as far as this one variety was concerned.

The stalls are two feet eight inches high in front, and two feet four inches high at back, the interior of each is two by three feet ground space, no floor; the cockerels are bedded on straw, two or three in each stall, when friendly. The stalls are roofed with rough boards and covered with paper. Then the whole line is buried top and back in strawy horse manure, some six large loads are required for the entire line of sixty feet. There is a six-inch board along the front edge of the roof to prevent the litter from falling down into the yards and above this three feet of wire netting. There are twenty compartments or stalls; each has a drop slide or door, worked from alley by cord and pulley. The yards are in a row in front of the stalls, and are three feet wide and six feet deep for each pen. In front of these is an open alleyway, four feet wide, with a gate at either end. The row faces south and makes a snug shelter for Winter. In zero weather the birds are fed and run in by 4 P. M., and not let out in the morning until after 9 o'clock. It never freezes inside, and if you have ever been in Colorado with the thermometer forty degrees below zero and the wind blowing forty miles an hour, you will admire the frost-proof qualities of this arrangement. Mr. Talcott has quite an extensive brooder-house, as he formerly raised considerable market poultry. Another novel idea is used here—the brooders are on a raised bench, say three feet from the floor. This facilitates the filling of lamps, the cleaning of brooders and gives one the great advantage of being so close to the little chicks that they can be more carefully watched and attended to during the first few weeks. A small door opens from each inside pen on to a small balcony running along the outside of the building.

We have always claimed that beauty and utility can go hand in hand and in conclusion cannot do better than to give in part a hen's record. This remarkable hen was named "Bell's Sister," and a carefully-kept record shows she laid a total of 147 eggs in less than ten months. Thirteen weeks of that time were taken up in sitting and raising a brood. Out of 147 eggs laid, 143 were set with the net result of 113 live and vigorous chickens from one hen's eggs in one season. Many of her pullets have inherited her laying qualities and have scored from 92 to 95 in the show room by Felch. This illustrates the character of the foundation stock used to form this

strain. To quote: "All great improvements in any kind of live stock have been only obtained by judicious selections and matings for points desired, and to maintain a high standard when once acquired requires the constant care and utmost patience of the fancier."

Mr. Talcott, like most Colorado fanciers, appreciates the value of hospitality and, although a busy man, will give the visitor a hearty welcome and be proud to show his champion Barred Plymouth Rocks.

A Famous Bird.

We show in portraiture Mr. E. B. Thompson's famous Barred Plymouth Rock cockerel. This bird won first at the last New York show, and is said to be the greatest bird of the kind yet produced. His coop always had an admiring assembly around it, and many were the comments expressed on his great size, marvelous plumage and splendid condition. The cut gives an excellent idea of his character and we are glad to show it to our readers. Mr. Thompson surely is to be congratulated on this wonderful bird.

Are More Attractive.

A basket of eggs that are uniform in color, or nearly so, is much more attractive than if they vary in color or even in size. The dealer with a large number of eggs on hand can easily classify them, both as to color and size, when preparing them for sale, but the farmer with only a small number to take into town cannot well do so. He must plan beforehand in order to get eggs that will classify uniformly and be attractive.

The following plan has been suggested that if adopted would give the desired result at no great expense. Suppose the fowls on the farm are of all colors and sizes, with very little similarity between any of them. The first step would be to dispose of all the roosters, and to get, say two or three good Brown Leghorn males to run with the hens. From such a mating the pullets would be half Leghorn and their eggs would be almost all pure white shelled. Of course, as soon as the pullets should be big enough to lay, the common hens should go. Then the second year other pure-bred Brown Leghorn cocks of a different strain should be introduced. Their progeny would be so nearly pure-bred that the pullets would lay clear white-shelled eggs, uniform in color, and very pretty. An additional point would also have been gained in the fact that the whole flock being so nearly Leghorn in blood, the laying qualities of the hens would be quite equal to pure Leghorns, and they would lay at least a third more eggs than their barnyard ancestors that the farmer started with.

If brown eggs are preferred, then Light Brahma cocks should be mated with the hens instead of Leghorns. Light Brahmas, as a rule, lay rich brown-shelled eggs, and a good many of them. The Brahma males would also in a season or two increase the whole flock greatly in size. The farmer is greatly behind the times who does not introduce thoroughbred stock of some kind into his dunghills and breed to an object.

Interesting Meetings.

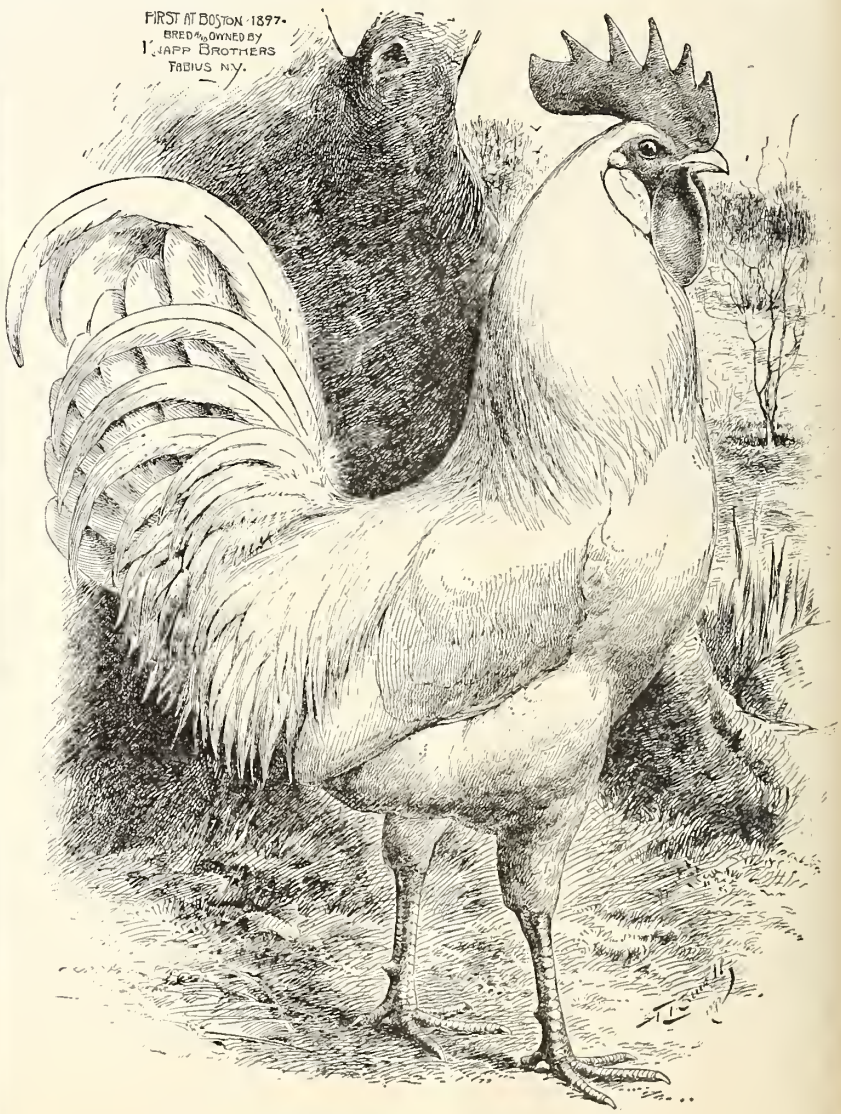
The National Fanciers' Association of Chicago held their regular monthly meeting April 7th. The principal business at this meeting was the revision of the constitution and by-laws by allowing the addition of such a number of vice-presidents as seemed desirable, to be selected from different sections of the country, to make the association, as its name implies, national; after which an article on the breeding of the different varieties of the Tumbler family was read by J. H. Whitman. Twelve new members joined. At the May meeting there will be a discussion on the relative merits of judging poultry by score card vs. comparison, by J. B. Cord and Geo. T. Pitkins. At the June meeting Franklane L. Sewell, the artist, will give a "Chalk Talk" on poultry, so that at each meeting there will be something for new members to learn both as to poultry and pigeons.

A Winner.

We show in illustration the White Leghorn cockerel, "First at Boston," winner of the highest honors at the last Boston show. This elegant bird was bred and owned by the Messrs. Knapp Bros., Fabius, N. Y., and was considered by those who saw him an easy winner in his class. These gentlemen have bred many winning birds and we are pleased to note their continued success in the show rooms. They also bred and own the White Wyandot cockerel, "Majestic," the winner of the first prize and specials at New York this year. These are a worthy pair of winners and truly represent the heads of their respective families as the Messrs. Knapp Bros. breed them.

The Little Chicks.

When a week old the chicks with the old hen should be turned into the meadow every fine day after 10 o'clock. The dew will then be off the grass, and the chicks will hustle for bugs and worms. The exercise is good for them; it is what they need, but an hour's outing is long enough. They should then be driven into the brooding coop and fed moderately. The chicks should be kept growing, in order that they may be large and strong enough to withstand the excessive heat of the Summer days. They also should be kept growing for another reason, and that is to save the grain. A chicken which simply holds its own is one that is wasting all the grain fed to it. Continuous growth is profitable growth and a chicken which is kept growing, and has no periods of standing still, will generally make a larger and finer fowl than one which grows intermittently H. E. W.



WHITE LEGHORN COCKEREL, "FIRST AT BOSTON."
Winner of Highest Honors at Boston, January, 1897.

DISEASES

CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Bacterial Enteritis.

BY DR. D. E. SALMON.

INFLAMMATION of the mucous surface of the intestines due to the multiplication of irritating bacteria must be classed among the most common and most injurious diseases of fowls. This disease occurs in chickens, turkeys, ducks and probably most other kinds of birds and is frequently mistaken for cholera. It is caused by several distinct varieties of bacteria, and may be either acute or chronic in its form.

CAUSATION.

The principal germs which have been studied in connection with outbreaks of enteritis in birds are:

1. The *Bacillus gallinarum* (Klein, Lucet), a short bacillus found in great numbers in the intestines of affected birds, and, also, in the blood. The disease may be produced in chickens and turkeys by inoculating this germ beneath the skin. If the germs are fed with ordinary food they do not cause disease, but if fed with animal food the disease may be produced. Fowls die in about five days after inoculation. Infection occurs from contaminated food or drinking water. Pigeons are insusceptible.

2. The bacilli described by Cornil and Toupet are short rods found in outbreaks of this disease among ducks. They are found in the intestines, heart, liver and spleen. The disease may be transmitted to ducks by inoculation or feeding with the germs. Chickens and pigeons are not affected by it.

3. The *Vibrio Metchnikovi*, also called the *Spirillum Metchnikovi*, is a spiral-shaped germ resembling the comma-bacillus. Chickens are very susceptible to these germs, and whether they are introduced by the air passages or digestive organs, or inoculated beneath the skin, they find their way to the intestines and cause inflammation with the symptoms of cholera. Pigeons may be infected by inoculation, but do not suffer from this germ when it is fed to them.

It is seen from this brief summary that bacterial enteritis affects principally turkeys, ducks and barn-yard fowls, the last, lacking a better term, we shall call chickens for convenience without regard to age. The outbreaks of this disease are generally confined to a single farm, they generally begin early in Summer, are at first acute and very fatal in their effects, but gradually diminish in intensity until they finally disappear. Birds of all ages are affected, though the younger ones are apparently more susceptible.

SYMPTOMS.

In the acute form the symptoms develop rapidly. The affected birds are dull, listless, and indisposed to move. They have considerable thirst, but are without appetite. The comb becomes pale, the excrements at first solid and of a greenish color, later are soft, liquid, abundant and bluish green. As the disease advances, the sick birds stand with the back rounded, the plumage erect, the wings drooping, the head drawn down to the body, and the eyes closed. They gape frequently, their walk is slow, hesitating and unsteady. The diarrhea persists, the excrements are colored with blood, the strength is rapidly lost, and walking becomes more and more difficult. In the later stages of the disease, the bird sleeps most of the time and can scarcely be aroused, a viscid, grayish liquid escapes from its mouth, its comb becomes purple, and it finally falls upon its side and dies after a few struggles.

In the early stages of the disease the temperature is elevated two degrees to four degrees F., but later drops three degrees to five degrees F. below normal. The birds die in from one to two weeks after they are attacked.

The chronic form of the disease is characterized by slower development and less marked symptoms. The birds are sick three or four weeks before they die. Their appetite is capricious, the feathers are rough and have lost their lustre, the comb and flesh are pale and bloodless, and there is an exhausting diarrhea. If the birds are handled the owner is surprised at the great loss in weight, as the flesh appears to have almost disappeared. This loss of strength and flesh continues until the bird dies from exhaustion. In some cases temporary improvement is seen; the diarrhea disappears; the comb partially regains its color; the bird appears stronger; but suddenly there comes a relapse; the symptoms are intensified, and death follows in a day or two. In a few cases the improvement is permanent, and the affected birds finally recover their health and flesh.

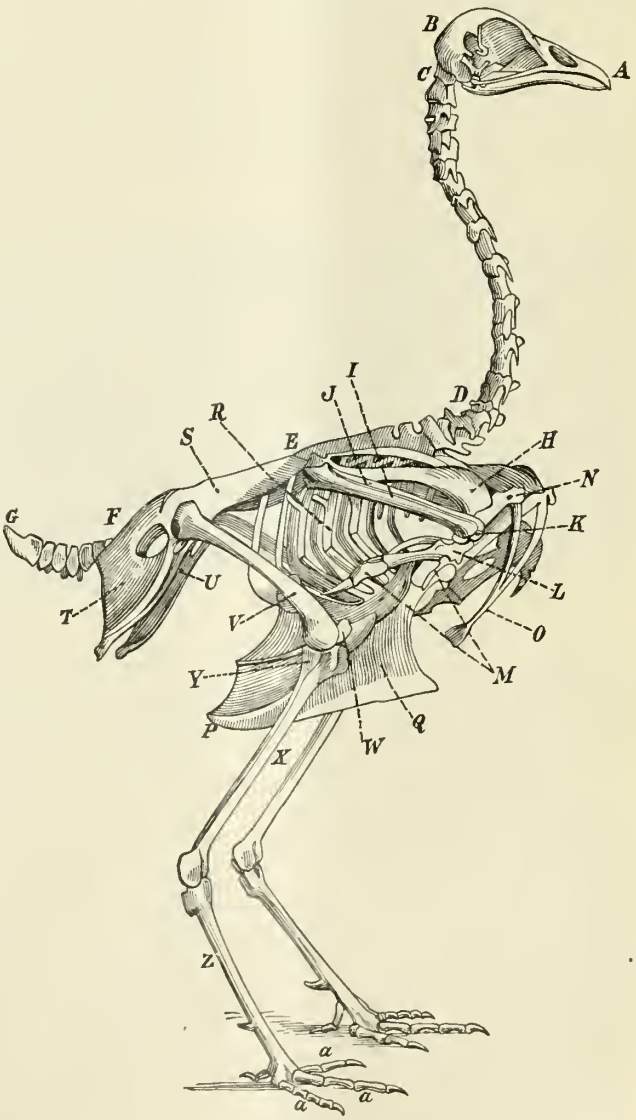
In examining the carcasses of the dead birds, the liver is found greatly enlarged and distended with blood, and if a cut is made into it considerable blood escapes. The spleen is also enlarged, but pale; the intestines and particularly the caeca are red and contain considerable mucus. In the chronic form of the disease the liver may be found smaller than in health.

The disease is distinguished from the cholera by its longer duration; the tendency to the chronic form, by its limitation to a single premises and by the fact that it is not transmitted to rabbits by inoculation. It is very destructive and from fifty to eighty per cent. of the fowls on a farm may die before the disease disappears.

[To be concluded next month.]

Skeleton of a Fowl.

The illustration gives a good idea of the construction of a fowl, each component part being shown in detail. Being now published for the first time, the illustration will undoubtedly prove of much interest to our readers.



DESCRIPTION OF ILLUSTRATION.

A to B, head; C to D, vertebræ of the neck (cervical vertebræ); D to dorsal vertebræ; F to G, coccygeal vertebræ; H, humerus; I, ulna; J, radius; K, carpus; L, metacarpus; M, digits; N, coracoid bone; O, forculum; P, sternum; Q, keel; R, ribs; S, ilium; T, ischium; U, pubis; V, femur; W, patella; X, tibia; Y, fibula; Z, metatarsus; a, digits.

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MAY, 1897.

The Amenities of the Agricultural Press. The readers of THE FEATHER do not need to be told that this journal has occupied a new field in poultry literature and a new channel of effort for the up-building of the feathered industries. It has its own policy well marked out and neither interferes with the work of its contemporaries nor allows their praises or criticisms to swerve it so much as a hair's breadth from its determined course. It is a modern progressive journal, conducted on liberal principles, and it can afford to despise the petty jealousies and the carping spirit which have been far too prominent in the agricultural press. It rejoices at the success of anyone laboring, in any field, for the activity and prosperity of the industries which it represents.

On the whole, THE FEATHER and its work have received a welcome and a cordial greeting from its contemporaries which demonstrate the existence of fraternal feeling and broad and generous sentiments. These courtesies have been the more appreciated as they could not at the time be adequately returned. However, there are a few of our contemporaries who have not been able to recover from their astonishment that THE FEATHER has the temerity to exist. Their dignified and conservative countenances were too intent on star-gazing and theorizing to notice us until we became entirely too forward to suit their ideas of the proper deportment of journals of our age. A thoroughly illustrated magazine, laboring for the interests of the people who are engaged in the production of poultry and pigeons, and endeavoring to secure for their industries the attention of the Government was quite too shocking.

The publication by the Department of Agriculture of the bulletin on "Standard Varieties of Chickens," written and illustrated by the editor of THE FEATHER, has furnished an opportunity for a plain expression of opinion on the part of our contemporaries. We hope those engaged in the poultry industries will note these views and decide for themselves which journals are working in their interests and which are working against them. The *Country Gentleman* has made itself particularly conspicuous by the vehemence of its views, and its emphatic condemnation not only of this particular bulletin, but of the policy of the Government which leads to the preparation of proper bulletins for the information of the farmers. Such views coming from a metropolitan newspaper, the editor of which had never seen a chicken until it was served upon his boarding-house table, and who knows less as to the needs of American agriculture than he does of the prospects of Siberian gold mines, would not excite surprise; but appearing editorially in an agricultural paper, generally economical of its opinions, the reader is amazed both at the lack of information displayed on such an important subject, and at the spectacle of a paper turning squarely against the industry upon which it depends for support and which it pretends to represent.

Does the *Country Gentleman* hold that farmers are not in need of Government aid? If so, it differs with most thoughtful American farmers, with the uniform policy of our Government and with the practice of the most enlightened foreign governments. Does it hold that the farmers' department at Washington is not an educational institution and should not distribute literature for the information of farmers? If so, it differs with the organic law of that department and with the uniform practice in that department, in similar departments established by the individual States, and in the State experiment stations. Have all of these institutions been misusing the public funds? If so, the poultry editor of our esteemed contemporary has been late in making the discovery. We have had no one more strict in his construction of the law and the Constitution and no one more economically inclined than Mr. Morton, and, yet, he surpassed all of his predecessors in the quantity of popular literature which he caused to be distributed.

What should a department of agriculture do? Should it confine its labors to scientific investigations and the publication of technical documents which the practical farmer cannot understand? Should it hold itself aloof from those who tend the flocks and herds? Should it show no interest in directing the tendencies of our agriculture, in improving our methods, in enlarging our markets, in increasing our profits?

On these questions we differ radically from the *Country Gentleman*, and the more that journal advertises the fact, the better we shall be pleased. We hope, however, that in addition to its destructive criticism, it will some day make a deliverance on constructive philosophy as applied to Federal and State agricultural departments. We are curious to know what kind of an institution would please it. We have learned from its recent editorial, from the illustrations which it has published from time to time, and from those in the books which it recommends something of the kind of chickens which it likes. We have also learned from its editorial that it does not recognize the typical forms of many of our standard varieties and is more or less astonished when they are brought to its attention. If its views on departments of agriculture are as antiquated as are those which it publishes with such impressiveness on the subject of "fowls," we can only express our sympathy with its readers.

THE FEATHER has come to stay and will continue to advocate practical work for the farmer, by the farmers' department of the Government. We have no fear that our publishing business or book sales will be interfered with by official publications. We, also, venture the hope that our venerable friend will secure a reliable nerve tonic to sustain it through the similar shocks which it will frequently receive in the future, as it is quite distressing to see such a grave and dignified party become hysterical and say such absurd things on such slight provocation.

* * *

Exportation of Frozen Poultry. It is a subject for congratulation that a consignment of American frozen poultry has at last been sent to the London market. Our fresh beef has been going there for years in the refrigerator compartments of ocean steamers, and there is no valid reason why poultry should not be shipped in the same manner. The United States produces the cheapest and best poultry in the world, and with a little enterprise and energy in this trade we could control the great English markets with advantage both to American producers and British consumers. A trade worth millions of dollars might be secured in this way. The first consignment consisted of 2,000 cases. The poultry arrived in excellent condition and gave great satisfaction. It was readily sold at the Leadenhall market, and it is predicted that the success of this first venture will lead to other and still larger shipments. THE FEATHER will watch the development of this line of exports with great pleasure, as it has for some time been calling attention to the desirability and practicability of obtaining an outlet in foreign markets for our surplus poultry products. Keep the ball rolling, gentlemen, it is just as easy to supply the world with poultry and eggs as it is with beef and pork. Let us cultivate our trade relations with the United Kingdom.

* * *

The June Number. "The Polish Fowl," past and present history, by T. F. McGrew, will be one of the features of THE FEATHER for June. This article will be elaborately illustrated. "A Group of Fanciers" will also be an interesting illustrated article on the yards of Messrs. Munson, Allen, and Bardroff. In the Homing Pigeon Department we shall publish the history of the veteran flyer of pigeons, Mr. Allen C. McLean, and shall use his portrait and loft for illustrations. In the Pigeon Department, will be found an interesting write-up of Mr. Jesse M. Rutter's lofts. Other equally as attractive matter will be found in the same number. THE FEATHER for the Summer will be well worth reading.

* * *

Our Premium Watch. Attention is called to the advertisement in this number of the new watch which we are offering as a premium for new subscribers. It is no toy, but a fully guaranteed time-piece that has the appearance of costing double its price. By special arrangement with the manufacturers we are enabled to offer the watch at prices which seem incredible. We have seen watches costing four and five dollars each that were inferior to it. It has every appearance of being a costly watch and with the same usage will keep time and last as long as any high-priced watch. It has a duplex, seven-jeweled movement, with stem-wind and stem-set, and enameled dial. We offer the watch and a year's subscription to THE FEATHER for only $2.25, or we will give it free for a club of ten yearly subscribers to THE FEATHER at fifty cents each.



CONDUCTED BY J. C. LONG, NEW YORK CITY.

THE SATINETTE.

An Elegant, Dignified and Graceful Representative of the Oriental Frills.

BY GEO. W. PETTIT.

IN body the ideal Satinette is rather larger than the Eastern Turbit, possessing a form symmetrical, plump and compact; broad across the shoulders and accurately tapered; breasts full and prominent or well thrown out; the head of good size and round; the profile grand in outline, forming one continuous, unbroken curve from occiput to the end of upper mandible and across from eye to eye; the cheeks full and chubby. The roundness and perfect curvature, so desirable, is very much increased by a decided down-faced aspect; the beak is flesh-colored, short and thick; the mouth wide at gap, thus aiding materially in giving a circular appearance to the head when viewed in front; beak-wattle small and fine in texture. The gullet or dewlap is well developed, which greatly assists in giving the proper rotundity to the profile.

The neck is well rounded and gracefully arched; the eye is full, clear, prominent and of a black or dark hazel color, encircled by a cere of a creamy buff tint. The thighs are full and legs long, being completely covered with short feathers, which should extend to the nails, presenting a perfectly grouse-muffed appearance.

The carriage is erect, elegant, dignified and graceful. The ten primary flights on either side should be white. Caridia states: "The Oriental standard for pigeons generally, whether white or colored, to be seven, as between that number and ten no imperfection is perceptible." According to the same authority, "these birds were originally plain-headed, but becoming plentiful, fashion demanded them crested." The ideal crest must be perfectly central needle-pointed, compact and placed well up on the head.

One of the most attractive ornaments of these birds is the frill, which should be as ample as can be had. Unfortunately most of our birds are deficient in this important point. It gives variety to the contour of the bird. Variety is the most concise definition of the word beautiful; it might very properly be considered its synonym.

I desire the amateur fancier, in whose hands this article may chance to be, to pause here and carefully study the above structural points, and try to comprehend fully all they imply. It is impossible for any misshapen or deformed man or animal to be graceful, attractive or elegant, either in movement or posture, and it is likewise just as impossible for anyone to become a good judge of birds (whatever the variety may be) unless he has intuitively a quick and accurate eye and an inborn appreciation for symmetry of form and elegance of carriage. Of course experience will do much, but the fancier thus naturally endowed will always have the advantage of his less fortunate brother. Two birds, both capable of scoring a given number of points (as far as marking and color is concerned), the one possessing the requisite form and carriage would be doubly valuable either in the breeding loft or aviary. These are properties very easy to lose and difficult to regain.

I know full well we cannot always get the form most desirable, and that we are often obliged to tolerate many things in our birds which our judgment disapproves for the sake of some very rare quality they may possess in an eminent degree of which we are desirous of availing ourselves for the purpose of counteracting some glaring deficiency in our stud. I regard such birds very much as I do the variously-colored pigments on my palette. I value them solely for the use I intend to make of them. In suffering them to remain we must never lose sight of the aim we have in view—to approach as near as possible to the ideal standard. If this could be realized, our task would be accomplished, there would be no more incentive for further labor. Fortunately there is no danger of this, so let us keep on trying to improve our pets, feeling satisfied if we can advance from season to season, knowing that the pleasure derived from the pursuit of an object is greater than the realization of our hopes regarding it.

The principal characteristic which distinguishes these birds may be comprised under one general head, viz., "plumage." Beautifully and harmoniously contrasted with a body of immaculate whiteness are the wings of the Satinette. They are of a delicate pink-brown color, softly, almost imperceptibly, paling into a clearer and lighter shade, until lost in a tint of grayish white. On this ground tint each feather is distinctly outlined or laced with purple-black, thus giving the tricolor so highly valued. The markings are of four different styles or patterns—laced, arrow-pointed, spangled and tipped.

Lacing is the complete edging of each feather with a color sufficiently dark to form a contrast to the ground tint. When the markings are of a V-shaped character they are termed arrow-pointed; when of a three-quarter moon, or crescent shape, spangled. If the end of each shaft only is emphasized by a darker shade, we have the tipped, which is something of a compromise between the last two named. Whatever may be the style of marking or shade of color, the more evenly and distinctly each feather is edged the more the bird is valued.

We now come to the characteristic essential "par excellence" of these birds, to the property that separates them from all and every other variety of pigeons; a property unique in its beauty, which enables them to occupy a niche all alone in the heart of their fanciers; a property when once seen will be forever remembered. I allude to the tail of the Satinette.

Other birds, as the Owl and Turbit, are almost identical in many of their points. They have the same wide skull and down-faced style of head. Their bodies are compact, broad across the shoulders and accurately tapered, and they both belong to the frilled varieties. That dainty little bird, the Almond Tumbler, struts with lordly tread, vain of his tri-colored plumage. Other species, as the Ice Pigeon and Suabian, are spangled (though differently) on the wing. The Suabian has sometimes a white, oval-shaped spot on the lower web of each of the primary flights, and occasionally the band near the extremity of the tail, but this is very rarely seen. Swallows, Fantails, some of the Eastern Owls and quite a list of Toys have their legs clothed in feathers, but none of them have the ornamental appendage of the Satinette.



ORIENTAL FRILLS.

I hold one of these tail-feathers in my hand. I examine it attentively to enable me the better to describe it. It is the property of all others that won my heart and made me a fancier of the Satinettes and their sub-varieties to the exclusion of all other pigeons. The color at the extreme end of each feather is of a deep black, blending into a bluish purple or slate tint, then into a light gray as it approaches the butt of the shaft. Near the end of each feather is the remarkable white spot, forming, when the tail is spread, a beautiful band, extending across the whole fan-like circle. The shaft, which is of the usual light tint at the larger end, gradually becomes deeper until lost in the rich black color surrounding the spot, which it intersects, forming a finely penciled and exceedingly beautiful contrast.

This is a brief though accurate description of this valuable property, yet how

inadequate it seems in conveying an idea of its beauty. To be fully appreciated it should be seen when the bird is in flight, or about to alight, and above all, in the variety of attitudes the male assumes when he pleads a supplicant for the favors of his mate; how he expands and drags this garment of purple in the dust regardless of its ornamental border of spotless white; regardless in fact of everything, if she will but comply with the one desire of his heart—be his most obedient companion and lay him a couple of eggs.

Pigeon Notes.

Indian corn is so heating in its nature, I am inclined to think it is the cause of so much canker as there is in lofts where it is freely used.

The salt-cat has been recommended from time immemorial for the pigeon loft, but every one does not know how to make it, and many do not reside in localities where it can be bought. Hence in place of this I can recommend as a relish for the birds a piece of salt codfish tacked to a board and placed where it can be easily reached. As soon as the denizens of the loft find out what it is, they will show their appreciation of it by frequent visits to the board.

A supply of old lime or mortar is another desirable addition to the pigeon larder. Anyone who has kept pigeons in a brick building unsheathed or unplastered, will note how they have picked the mortar from between the bricks. This is evidently done not for pastime, but the taste of it is agreeable to them. A box of it kept in the loft and occasionally shaken up and sprinkled with fish brine will be found a treat for them.

I have frequently noticed pigeons living near the seashore resort to the beach and appear to find something there that is acceptable to their taste. A close observance leads me to believe that they pick up the diminutive shell-fish found there, and although not usually believed to be like the hen an omniverous bird, this action would seem to indicate that they do enjoy a course of fish in their *menu* when obtainable.

Where liquids, especially oils, have to be administered as a medicine to pigeons it is best to give them in the form of capsules, and those that deal in such specifics usually have them in that form. They are easily administered and the remedy does not soil the plumage. For this reason homœopathic remedies are the best and when properly understood are just as effective as those old school remedies that are larger in quantity.

Exhibitors when sending pigeons to an exhibition cannot excrcise too much care in their packing. Where light hampers or boxes can be supplied so arranged that each bird, or at most a pair, can be by themselves, the bird arrives at its destination in much better condition than where a dozen pairs are crowded into one apartment, where they huddle into one corner, trample over one another, and not only soil the plumage, but weaken and debilitate those that are so unfortunate as to be the "under dog in the fight." The bird that travels in a separate apartment when it is taken out and placed in the exhibition pen shows all the life and animation that it had in the loft; while the unfortunate that has had to travel in mixed company shows the effect of it in his bedraggled condition and an air of timidity and depression from which it rarely recovers during the session of the show. On the principle that the merciful man is merciful to his beast, the man who loves his pigeons for themselves alone cannot do too much for their comfort while journeying to and from an exhibition.

J. C. L.

Removal of Youngsters.

An important detail in connection with the successful rearing of pigeons is that the youngsters should, in due course, be removed from the breeding loft, and placed in a compartment by themselves. The proper time to make this shift being either when the youngsters "take to the wing" or simultaneously with the entry into existence of the succeeding nest of squabs. Such a "nursery house" is most useful. In it "the babes" are safe from cruel attacks frequently made by the old birds when engaged in feeding younger offspring.

Another advantage is that a little special attention can be given to the removed youngsters. They can thus be "pushed ahead" by the timely and discriminate use of "extra feeding" which they would not be permitted to indulge in if left to forage for themselves among older and more vigorous birds.

Mr. Feather Won.

Massachusetts Columbarian Association held a meeting at their hall April 16th. Mr. Geo. Feather won with his Turbits, Mr. T. Connors, judge. The next meeting is appointed for May 21st, when Barred Blondinettes, Badge or Barred Tumblers and Clean-leg Tumblers are to be shown.

A. T. Berry, Sec'y.

An Announcement.

It has been announced that the Pigeon and Bantam Club, of Springfield, Ill., will hold a show at that place in December, 1897.

Rossdorf Poultry Farm

BARRED PLYMOUTH ROCKS .....

E. B. Thompson and Bradley Bros. strains. My Barred Plymouth Rocks were highly commended at Madison Square Garden, New York City, 1897. At Washington, 1897, I won 1st on cock, 2d on hen, 4th on pullet. Eggs, 1 setting, $4.00; 2 settings, $7.00; 3 settings, $9.00.

LIGHT BRAHMAS .....

Philander Williams' strain. At Washington I won 2d on breeding pen.
Eggs, 1 setting, $3.00; 2 settings, $5.00; 3 settings, $7.00.

SINGLE COMB WHITE LEGHORNS .....

Knapp Bros.' strain. Eggs, 1 setting, $2.00; 2 settings, $3.50.

Please mention The Feather.

W. LEE DEFENDORF, Proprietor.

LOCK BOX 133.
TELEPHONE 128 NYACK.

Nyack, New York.

A GREAT OFFER.

THE FEATHER WITHOUT COST

We have just arranged the details of a plan by which thousands of our friends who wish to take The Feather will be able to secure it for a year without any trouble or any increase in their expenditures.

Read Our Plan:

Nearly every one interested in poultry is already taking one or more agricultural or poultry papers. These can be clubbed with The Feather in such a way that our magazine may be secured immediately and without extra expense.

Any one who is now taking or who is going to take one of the papers mentioned below, costing one dollar or more, can by subscribing to The Feather have the subscription price of our magazine deducted from this subscription to the other paper, *thus getting both papers for the price of one.*

Any one now taking or who is going to take two of the fifty-cent papers mentioned below can by subscribing to The Feather have the subscription price of our magazine deducted from the subscription price of the other papers, *thus getting three papers for the price of two.*

Any one now taking or who is going to take any one of the fifty-cent papers mentioned below can by subscribing to The Feather and sending ten cents extra secure both papers, *thus getting two fifty-cent papers for sixty cents.*

Any one subscribing for The Feather for six months will be allowed a year's subscription to any fifty-cent paper mentioned below by paying twenty-five cents additional.

These offers have never before been equaled and our plan differs from any clubbing plan ever offered in allowing those who are already taking other papers to begin their subscription to The Feather immediately by sending a small remittance to show their good faith and forwarding the balance when they wish to renew their subscription to the other paper.

We will send you The Feather and one of these papers both for one year for the sum indicated below:

Farm-Poultry	$1 00
American Fancier	1 00
Pigeon News	1 00
Poultry Monthly	1 00
Rural Californian	1 00
McClure's Magazine	1 00
National Tribune	1 00
Chicago Weekly Inter Ocean	1 00
Atlanta Weekly Constitution	1 00
Recreation	1 00
Munsey's Magazine	1 15
National Stockman and Farmer	1 15

If you are already taking one of these papers and your subscription has not yet expired you may send us thirty-five cents now and receive The Feather at once; the balance may be sent any time within a year, when you wish your subscription to the other paper to begin.

We will send you The Feather and any two of these papers all for one year for one dollar; or

We will send you The Feather and any one of these papers both for one year for sixty cents; or

We will send you The Feather for six months, together with any one of these papers, for one year for fifty cents:

Reliable Poultry Journal	$ 50
American Poultry Journal	50
Fanciers' Review	50
New England Fancier	50
Ohio Poultry Journal	50
Poultry Keeper	50
Practical Poultryman	50
Southern Fancier	50

If you are already taking one of these papers you may send us thirty-five cents now and receive The Feather at once; the balance may be sent any time within a year when you wish to renew your subscription to the other paper. If you wish to try The Feather for six months in combination with one of the other papers, you may send twenty cents now and receive The Feather at once, and the balance may be sent when you wish to begin or renew your subscription to the other paper.

Do not neglect this liberal offer. We have gone to enormous expense to publish the Best Illustrated Poultry and Pigeon Paper in the World and we are determined to place it in the home of every one interested in the Feathered Industries. This offer will remain good for one year from date. Single subscription to The Feather, one year, fifty cents.

The Feather will continue to improve with each number and subscriptions should be commenced at once, as you will want the volume for 1897 complete and back numbers are difficult to obtain.

Address all orders to

George E. Howard & Co., Publishers,
Central Power Station, Washington, D. C.

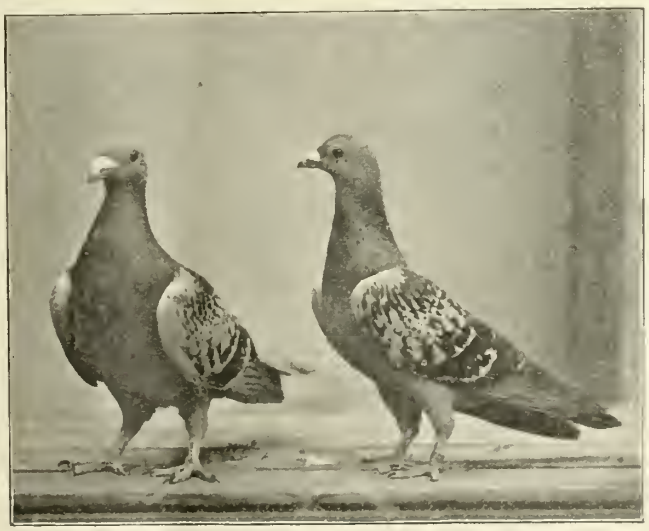


HOME OF FLYERS.

A Fancier's Loft and the Noted Birds that Live There.

MR. G. R. BAYLE is a breeder of speedy and reliable Homing Pigeons. He breeds them for the pleasure derived from them, and his interest in the fancy has not been for the profit in it. Mr. Bayle is a thorough fancier of the Homer, and while he has never made any large claims for his birds they have proved themselves quite capable of holding their own in the best company. His strain of flyers has been perfected by the most careful and painstaking breeding and rigid training, with the result that his stock can be depended upon. His loft contains only his own tested strains that have flown constantly for years, and some of the birds that hold prominent places in the lofts of other fanciers were bred by him. These birds were purchased from him when youngsters and trained successfully to win many valuable records.

Mr. Bayle has not been an active flyer for the past few years, but has had a larger demand for his youngsters than he could possibly fill. By giving his personal attention to his breeding stock and carefully mating them he has produced youngsters that fully equal his older birds, and in many instances have surpassed them in making records. Mr. Bayle's present stud consists of thirty-six birds, the principal of which are: Bluestone, B. C. C., 507 miles; Kate, B. C. H., 507 miles; La Jose, B. C. C., 455 miles; Younda, B. C. C., 455 miles; Bargain, B. C. H., 350 miles; Svengali, B. C. C., 360 miles; Rahway, B. C. H., 325 miles; Denmark, B. C. H., 220 miles.



PAIR RECORD HOMERS, BRED AND OWNED BY G. R. BAYLE.

Mr. Bayle's loft is in the second floor of a brick stable. The loft measures eighteen feet by thirty-four feet; it is divided into a front loft eight feet by thirty-four feet, which is used for breeders, and two rear lofts ten feet by seventeen feet each, which are used for youngsters and odd birds.

We show in illustrations several of Mr. Bayle's birds. The bird "Denmark," (No. 524, 1895, bred from "La Jose" and "Pequea"), flew 128 miles at four and one-half months old and has a record of 220 miles. "Rahway" (No. 367, 1895, bred from "Bluestone" and "Bargain"), has a record of 325 miles.

Raising Squabs.

A flock of pigeons is generally considered a nuisance by farmers, but as a matter of fact pigeons help the farmer more than they injure him. Squabs can be raised with profit on any farm located near a market. The first thing is to prepare a loft and invite the pigeons to take possession. In most country places there are many pigeons, or domiciled in the neigbhorhood pigeons that are claimed by no one. Grain left where they can get it, in some high place, will entice them. Near the entrance of the loft nail up a salt cod-fish. The pigeons will come for miles to dine on cod-fish. If not enough pigeons are drawn by these means, any number may be obtained in cities at twenty-five cents a pair.

The loft should be high enough above the ground to be cat-proof. Rats should also be provided against. Nothing makes a daintier morsel for a rat than a squab. When squabs are not at hand the rats take old pigeons instead. A good way to keep out rats is to cover the floor of the loft, and the sides a foot or more from the floor, with tin or coarse wire netting. Every pair of pigeons should have a nesting place eighteen inches long and one foot deep. Through the center, from the outer edge to the wall, nail a cleat two inches high. This gives two nests. Before the first squabs are ready to fly, the hen will lay in the second nest, and before the second pair of squabs leave the nest she will return to the one she occupied first. Every nest should be cleaned as soon as the squabs leave it, and fresh straw cut into lengths of six or eight inches, should be supplied. Fresh water must be supplied once a day, or oftener, according to the size of the loft. Cracked corn is the best food, and should be fed without stint when the object is squabs. It hurries them forward wonderfully. Wheat should be given sparingly. A little buckwheat, rye, and a few Canada peas fed occasionally are considered highly beneficial. Pigeons are fond of almost all kinds of seeds. Salt should be supplied to them, and this is best done by the codfish nailed to the side of the loft.

If there be odd pigeons, provide them with mates, or serve them up for breakfast. Sometimes one of a pair of squabs will get most of the food. In this case place two weak squabs together, or take away the strong one until the weak one is fed. With proper attention every squab in the loft can be saved. Just before the squabs are ready to leave the nest, they are in right condition for market. They are neither plucked nor drawn, and the best way to kill them is to pierce the neck, at the back of the head, with a sharp pointed penknife.



"Rahway," Bred and Owned by G. R. Bayle.

The good work of the pigeon, in addition to its value as food, consists in destroying weed seeds. In the crop of one pigeon killed at nightfall were found nearly four thousand weed seeds. Pigeons cannot pluck grain from standing stalks; they can take only what is on the ground, and do not obtain a hundredth part of the grain that shells out in harvesting and is lost.

The Mound City Club.

Editor The Feather:

Nothing ever having appeared in THE FEATHER in connection with the Mound City Homing Pigeon Club of St. Louis, and you having several subscribers among its members, I thought this an opportune moment to give you a brief outline of the club and its doings since its organization.

The club was organized in 1894, having as its prime mover Mr. H. W. Buschman, of C. L. Buschman & Co., commission merchants of St. Louis, and the present president of our club, and through his indefatigable energy the club to-day owes its present existence and success. In consequence of the rough and wild nature of the country over which we have to race, the best blood that could be purchased in the country has failed to come up to the 400-mile per day notch. Every device known to the training of Homers has been exercised with but one

result, failure to come up to expectations. This season we started in feeling fully confident that we had this year the material to reach the much coveted 400 miles, but, alas! our expectations were soon shattered. Our schedule of races was as follows:

Piedmont, Mo., 106 miles, April 17th; Peach Orchard, Ark., 160 miles, April 24th; Swifton, Ark., 202 miles, May 1st; Benton, Ark., 314 miles, May 8th; Fulton, Ark., 402 miles, May 14th.

After shipping the birds to several stations intermediate with Piedmont, the most of them reported home in first-class time. We naturally felt very much elated over the prospect of a good race from the 106-mile station. The birds were shipped Saturday evening, April 16th, with instructions to the agent to liberate at 7 A. M., and to wire J. W. Pickington at the club house time liberated. The message reached us at 8:20 A. M. and read, "Birds liberated at 7:40 A. M. Found three dead and a number wounded. Suppose rats troubled them." Imagine a man liberating a lot of wounded birds to fly home a distance of 106 miles, instead of locking the basket and returning all by first train for home, which ordinary common sense might have taught him. Some few of



"Denmark," Bred and Owned by G. R. Bayle.

the birds were unmolested and reached home in good time, but, as is generally the case, the birds we expected most from were either dead or badly wounded. "Marion," the crack bird in Mr. Buschman's loft, reached home on the Wednesday with her neck in bad condition and otherwise battered up. She had a record for 206 miles. The second wounded bird to arrive was "Beresford," the property of our secretary, Mr. J. Parkinson. He reached home after being out five days, if anything in a worse condition than "Marion." "Beresford" has a record of 314 miles with good average. To see the birds in their present condition it seems that the feat that each accomplished was impossible, and presents a striking illustration of the gameness and homing instincts of these remarkable birds. While our hopes for the Spring races are at present shattered we expect to start a fresh lot on the road at an early date.

Yours Very Truly,
E. P. NICHOLS & SON.

White City Flying Club.

The seventh regular meeting of the White City Flying Club, of Chicago, was held April 2d, at Gartelman's Hall, Thirteenth Street and Ashland Avenue, with President Keefe in the chair. It was moved and seconded that we adopt a race schedule. This was carried and after a short debate the following schedule was adopted:

Old bird races—May 2d, Downers Grove, Ill., 21 miles; May 9th, Plano, Ill., 52 miles; May 16th, Princeton, Ill., 104 miles; May 30th, Oneida, Ill., 151 miles; June 13th, Burlington, Iowa, 206 miles; June 20th, Ottumwa, Iowa, 281 miles; June 27th, Chariton, Iowa, 336 miles.

Young bird races—August 15th, Downers Grove, Ill., 21 miles; August 22d, Plano, Ill., 52 miles; September 5th, Princeton, Ill., 104 miles; September 19th, Oneida, Ill., 151 miles; September 26th, Burlington, Iowa, 206 miles.

The meeting then adjourned to meet April 28, 1897.

CHAS. H. TAUBMAN, JR., Race Sec'y.

Bridgeton District.

While this city has boasted of several pigeon fanciers for a number of years it has never had a regularly organized association until now. On the evening of February 8th the fanciers met and organized the "Bridgeton (N. J.) District of Homing Pigeon Fanciers," with the following officers: Dan'l Elmer, president; Dr. S. C. Tremaine, vice-president; Wm. B. Holmes, secretary; Wm. A. Robinson, treasurer; Wm. A. Robinson, Lewis T. Williams and Wm. B. Holmes, race committee. The members, Sam'l Moore, Wm. Perry, Frank Robinson, John Adams and Jas. Tyler, have birds of the very best strains in this country and some imported birds, and it is amusing to note in conversation with the different members that each expects to win first prize in most of the club races and perhaps some national diplomas; and while knowing the old saying, "Live in hope and die in despair," they all declare it will be the other fellows. Being ignorant of the hardships on the road to fame, and of the disappointments and sorrows of to-morrow, let us be happy to-day. H.

The American Message Holder.

As everybody knows Belgium is the home of the *pigeon-voyageur* and the pigeon sport there is a national affair. It has been recently stated by a competent authority that there are more than a thousand pigeon clubs in Belgium and that about $200,000 a year is distributed in prizes.

One of the prominent features of the Brussels International Exposition, which opens in May at the capital of Belgium, will be a great Homing Pigeon flight from the exhibition grounds. The most prominent pigeon fanciers of Belgium, France, Holland, Germany and England are expected to send their crack birds there, which when liberated will carry to their owners a message of greeting from the promoters of the exposition, enclosed in the new American message holder, which has been patented in this country and abroad, and which will insure the safe delivery of the message without impeding the flight of the bird. A picture of the American Homer with a message holder attached to its leg is herewith reproduced and forms part of an exhibit sent by Prof. Marion to the Brussels Exhibition, showing the old and new styles of sending messages. This new message holder, which is being used in the United States Naval Messenger Pigeon Service, has proven very successful, as it does away with



MOUNTED SPECIMEN SHOWING MESSAGE HOLDER.

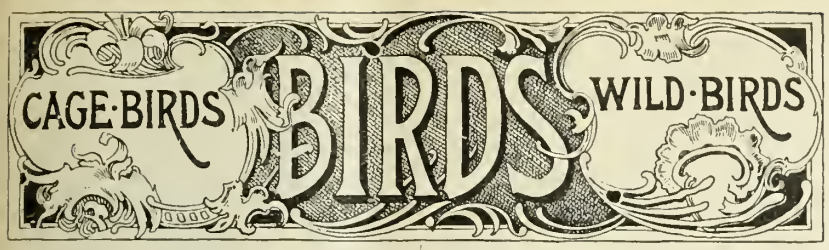
the tedious and insecure method of fastening a quill to the bird's tail-feathers, and has been adopted by many Homing Pigeon fanciers in this country and abroad.

A novel use of the Homer and the message holder has been recently introduced by Dr. Chas. L. Lang, of Meriden, N. Y., who has a loft of trained messenger pigeons at his home. The way he uses them is very simple and effective, as described by the *New York Herald:*

"In the first place, the doctor sends to each patient about whose condition he wishes to be posted, one or more of his Homing Pigeons. Some member of the family has blanks which must be filled in with detailed records of time, pulse, temperature and respiration. A blank filled, it is enclosed in an aluminum capsule made to clasp around the pigeon's leg. This done, the bird is released and at once speeds away to the home of the awaiting physician. In this way Dr. Lang is enabled to keep thoroughly in touch with his patients at a distance, with about one-fifth the amount of travel he would have to endure under other circumstances. Not only that, but he is really much better posted, because it would often happen that he would be unable to pay visits at all, and so perhaps would miss seeing a sick person at just the time when most needed. Now he can go away from home to visit patients and feel sure that when he returns reports will be awaiting him from others. Should these reports tell him that a call from him is an absolute necessity, why then he goes and that is all there is of it."

Another novel use of the Homing Pigeon is that recently introduced in some of the military manœuvres of European armies. A movable pigeon cote is carried along with the main body of the army and stationed at headquarters. Pigeons from this cote are furnished the different divisions of the army, especially the outposts and reconnoitring parties, which enable them to convey important intelligence to headquarters when telegraphic communications are cut or unavailable.

THE FEATHER will be represented at the Brussels Exhibition and will give an account to its readers of the great pigeon flight and all matters of interest relating to the fancy.



THE JAPANESE ROBIN.

Sprightly Songster that is Prized as an Attractive Household Pet.

AS a cage bird the Japanese Robin, also called the Pekin Nightingale, is one of the most attractive on account of his peculiarly rapid, graceful movements, his sprightly song and exceeding hardiness. The bird is a native of Oriential countries, whence they are imported in large numbers.

The Japanese Robin is about five and one-half inches in length. The upper parts of the body are brownish olive; the breast and throat are a brilliant shade of orange; the wing-feathers are bronze, tipped with orange, and the tail-feathers rusty black barred with white feathers; the beak is long and slender and of the same brilliant color as the breast; the eyes are large, black and very expressive and are surrounded by a ring of white. It is said that the largest part of a nestling is his eyes; and when these are seen as he peers over the side of the nest, they appear of unnatural brilliancy and size. The females and young males are distinguished from the old males by the dullness of their coloring as compared with the bright tints of the males; while their backs are grayish bronze and their breasts lemon-colored.

The rapidity of movement with which the Japanese Robin darts about his cage cannot be fitly described and is surpassed by no other bird; this activity is one of the bird's chief charms. He is a most accomplished gymnast and can turn somersaults and stand on his head with the greatest of ease. His contortions and evolution are as bewildering as they are laughable and a constant source of amusement. He may be taught all the tricks usually taught birds of any class and the readiness with which he learns them is wonderful.

The song of the Japanese Robin is a curious combination of lively, mellow notes uttered with great percision and clearness. A joyful melody combining the beautiful tones of the Nightingale with the jangle of the Bobolink, sung in a manner in keeping with the bird's restless nature. From the beginning of the song until the end he keeps time with his marvelous springs and jumps. Should he refuse to sing for an indefinite time, place a song bird of any kind within hearing, and if a single note is uttered by the stranger the Japanese Robin immediately imitates the song and sings his own as well. It is said it is only necessary to stand a Chinaman in front of him, when the recognition of his countryman will inspire the bird to his best efforts.

The nest of this interesting bird when in his native wilds is a neatly constructed affair and is usually built quite low on trees or shrubs. Four bluish eggs are laid and two broods hatched each season. The male and female sit alternately, hatching the eggs in twelve or thirteen days.

The food of the Japanese Robin, when wild, consists mainly of insects and worms which he is very expert in catching. When in confinement he should be fed on prepared Mockingbird food, and insects and meal-worms may be given him frequently. As a change feed soaked ant's eggs or currants and a bit of apple, or any of the green food usually given birds. If allowed the freedom of a room he will soon rid it of flies. He should be provided a daily bath, which he enjoys with much enthusiasm, continuing to bathe as long as any water remains in the tub, and to sing as long as he bathes.

The hardiness of this bird is astonishing and the diseases to which he is subject are few and usually caused by more than the average amount of carelessness. Sickness in the Japanese Robin is quickly observed by the absence of his sprightly movements and the dullness of his eyes, and whatever disease his symptoms indicate should be treated as advised for Mockingbirds. During the molting season he should be hung in the sunlight as much as possible as if allowed to molt in a dark place the bright colors are inclined to lose their brilliancy.

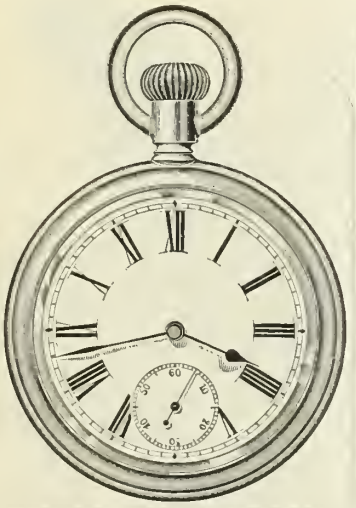
As a household pet the Japanese Robin cannot be too highly recommended and with an average amount of care will live in constant song, except during the molting season, for from ten to twelve years.

WALLICK BROS., York, Pa.—Breeders of twenty varieties of Bantams, Guinea Pigs, rabbits and fancy pigeons. Write for wants. To make room will sell cheap S. S. and G. S. cocks; also Pit Game that fights.

JUST OUT

A PERFECT TIME PIECE.

WE have been making liberal and attractive premium offers, but never have we given better value for the price than is found in this new premium watch, which is made and fully warranted by one of the oldest and best watch factories in America. We guarantee it to be a genuine and reliable watch in every particular.



THE MOVEMENT....

It has the duplex movement.
It has an enameled dial.
It is a seven-jeweled movement.
It is short-winding.
Every watch adjusted and regulated.

It has stem-wind and stem-set.

Every watch guaranteed to give entire satisfaction or the money paid for it will be refunded

The case is solid nickel-silver and will not tarnish. The illustration shows the size and style. Heretofore this watch has been sold exclusively by jewelers for about $4.50 each. With the same usage it will last as long as any Twenty-five Dollar watch. The case is solid nickel-silver.

Price, with The Feather one year' —$2.25.—

YOU CAN GET IT FREE

By sending ten yearly subscribers to The Feather at 50 cents each ($5.00). The watch will be sent postpaid to your address without costing you one cent. No one, therefore, need be without a watch, equal for keeping time to any in the neighborhood, a single day longer. Indeed, it will not take a day for anyone to get up a club of ten subscribers at 50 cents each for the best Poultry, Pigeon and Bird Magazine in the United States. Try it and see for yourself how easy it is. Do not lose time but begin at once and get one of these valuable watches before the offer is withdrawn. Address all orders to

George E. Howard & Co.,
Central Power Station. Washington, D. C.

THE BUSINESS WORLD

As Viewed From the Columns of The Feather.

A VAST ENTERPRISE.

Chicago has many enterprises peculiar to itself. The great agricultural resources of the Mississippi and Missouri Valleys, of which Chicago is the central market, have led business genius to devise special means to meet the requirements of the diversified interests surrounding him. It is a known fact that the advertiser has kept well in advance of the procession, and in the great city by the lake is located the only special agricultural advertising agency in the world that is doing so much to further advertising interests along this particular line.

Every year agricultural advertisers and agricultural newspaper publishers hold an annual round-up in Chicago and confer together for the sole purpose of bettering their business interests by employment of the most modern methods of advertising. No other phase of the advertising subject receives more thorough and energetic attention than that branch of it which has to do with the agricultural press.

This is the age of the specialist, and it is largely due to the genius of the advertising specialist that manufacturers that deal with agriculture in Chicago and the West have gained such an advantage over Eastern competitors as they have within the past recent years.

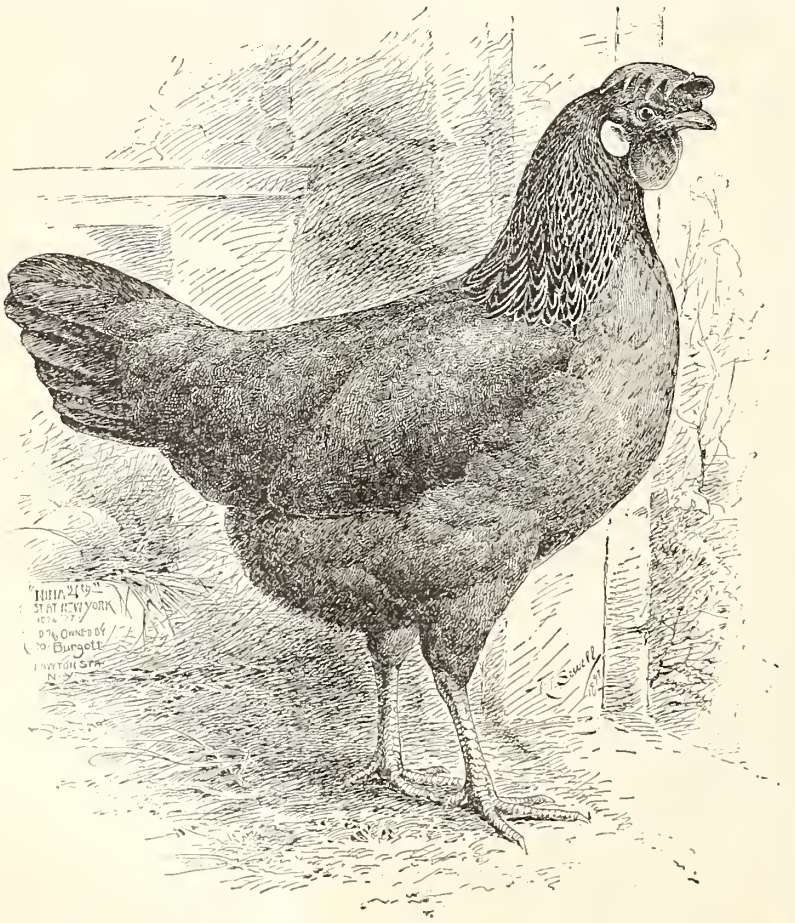
The elements of art and science are employed by the specialist. He must have artistic ability to prepare attractive and forceful advertising, and to successfully do this must understand the science of the business being advertised. He must also have a familiar acquaintance with the character of the class to be reached. We believe that the Frank B. White Company are the leaders in this class of work. They stand close to their patrons in business and their methods have worked a powerful influence in agricultural advertising. Mr. Frank B. White, the senior member of the firm, is an energetic worker for the promotion of the rural interests of the entire country, besides being directly interested in the poultry industry. This is evidenced by the special poultry issue of *Agricultural Advertising* for March, which was, to say the least, an extremely interesting and meritorious work. Mr. White is a member of both the American and Chicago Poultry Associations and a breeder of Silver-laced Wyandots. THE FEATHER wishes him continued success in the good work he is now doing.

TRANSFER OF HOMERS.

From the loft of G. R. Bayle, Philadelphia, Pa., to the Lime City Homing Club, of Marion, Ohio, 737, D. C. H.; 509, D. H.; 584, D. C. H. H. P. Downs & Co., Madison, N. J., 463, R. C. C.; 526, B. C. H.; 467, R. C. C.; 527, B. C. H. G. G. Hallock, Jr., Brooklyn, N. Y., 573, B. C. C., 583, B. C. H.; 528, B. C. C.; 582, B. C. H. B. I. W. Goff, Elizabethtown, Pa., 668, B. C. C.; 760, B. H. M. Worthington, Bel Air, Md., 596, R. C. C.; 759, B. C. H. W. W. Hopkins, Bel Air, Md., 686, B. C. C.; 751, B. C. H. W. L. Gorrell, Bel Air, Md., 692, B. C. C.; 738, B. H. W. H. Schulz, St. Paul, Minn., 724, B. C. C., 622, B. C. H. F. K. Farmer, Baltimore, Md., 533, B. C.; 586, B. H. L. L. Blake, Elmira, N. Y., 661, B. C. C. C. C. Musser, Millersburg, Pa., 427, B. C. C.; 696, B. C. H.; 438, B. C.; 588, B. H. Lewis Conrad, Port Carbon, Pa., 677, B. C. C.; 748, B. C. C.; 700, B. C. C.; 537, B. C.



FRANK B. WHITE.



"Nina 4th," Winner of 1st at New York and Boston, January, 1897.
Bred and Owned by Geo. H. Burgott, Lawton's Station, N. Y., U. S. A.

MAPLE GROVE FARM.

Mr. L. O. Bromley, proprietor of the Maple Grove Poultry Farm, Forestville, N. Y., begins advertising in this number. He is a breeder of Barred Plymouth Rocks and Single-comb Brown Leghorns. We note that Mr. Bromley has been extremely successful in the exhibition room. Among the shows at which he has won laurels are the following: Maysville, N. Y., Erie, Pa., and Brocton, N. Y. See his ad. and write him for his descriptive circular and price list.

A FINE BOOK.

Mr. C. N. Bowers, Box 63, Dakota, Ill., is now mailing his Poultry Annual and Book of Valuable Recipes for 1897, finely printed in colors, giving cuts, descriptions and prices of forty-five of the leading varieties of fancy fowls, with important hints on the care of poultry and hundreds of recipes of great value. Over 1,000 premiums won at the leading shows. Prices reduced one-fourth. One of the finest books out. Price only ten cents, post paid. He will return money if not satisfactory. Do not fail to get it, as the book contains $10.00 worth of information. Please mention this paper when writing.

BURGOTT'S BROWNS.

The Empire State Farm has long been noted for its "Empire Strain" of Single-comb Brown Leghorns. This strain of Browns, as advertised elsewhere in this issue, has been in the show rooms of our country from coast to coast. At the last New York show the Empire Strain Brown Leghorns won 5th cock, 3d and 4th cockerels, 1st and 2d pullets and 3d pen. At the Boston show they won 2d cockerel, 1st pullet and 3d pen. Mr. George H. Burgott is the proprietor of the Empire State Farm and founder of the "Empire Strain" of Browns. His wonderful bird, "Nina 4th," as shown in illustration, is well known everywhere as one of the best Browns yet produced.

A NOTED TURKEY.

For several months the Fisher's Island Farm has been introducing their singing turkeys to the readers of THE FEATHER. These turkeys have attracted considerable attention and everyone, seemingly, is interested in their welfare. We show in illustration one of these turkeys. "Miss Alice" is one of the best turkeys to be found anywhere and she has distinguished herself in two of the leading show rooms of the country, winning first at Boston and New York last year. This is evidence of her superior worth and establishes her royalty as nothing else will do. But then, "Miss Alice" is only one of the numerous winners that are on Fisher's Island Farm. This farm has many such superior birds from which they are breeding this season. Besides turkeys they have several varieties of water fowl and an excellent list of poultry. If you are interested in fine stock, write them for one of their handsome catalogues and price lists. You may find just the thing you have been looking for.

HIS WINNINGS.

Mr. Frank S. Pierce, West Chester, Pa., is a breeder of pure White Wyandots and Black-breasted Red Games. These two varieties are his specialties and he breeds them in all their pureness. At the last Mt. Gretna show he won 3d and 4th on hens and 3d on pullet. At Trenton he won 1st on cockerel and 1st on pullet. At Hagerstown, 4th on cock. At Elkton, 1st on cock, 1st on hen, 1st on pullet and 3d on cockerel. At West Chester he won 2d on cock, 3d on hen and 3d on pen.

KLINE'S BUFF ROCKS.

At the Madison Square Garden show, 1896-97, Mr. Frank Kline, Spring City, Pa., won five prizes on five entries of his Buff Plymouth Rocks. This result speaks well for Mr. Kline's stock, and is sufficient recommendation to those who are desirous of obtaining the best blood of this popular variety. Besides the above victories his birds won at Mt. Gretna, Reading, West Chester and Trenton. Mr. Kline advertises his birds as being true "Rock" shape, golden buff, clean hackles and buff to the skin. He is selling eggs this season from six breeding yards. Besides his Buff Rocks, he breeds White Homing Pigeons

A LONG TIME.

The White-faced Black Spanish has been bred by Mr. John Bennett, Sunman, Ind., for thirty-three years. During all this time Mr. Bennett has bred this one variety only, and it seems safe to say that he knows just what a good Spanish is. Ke keeps only the one kind and allows them free range. If you want good birds of this variety write Mr. Bennett and he will send you a circular and his photo. free.

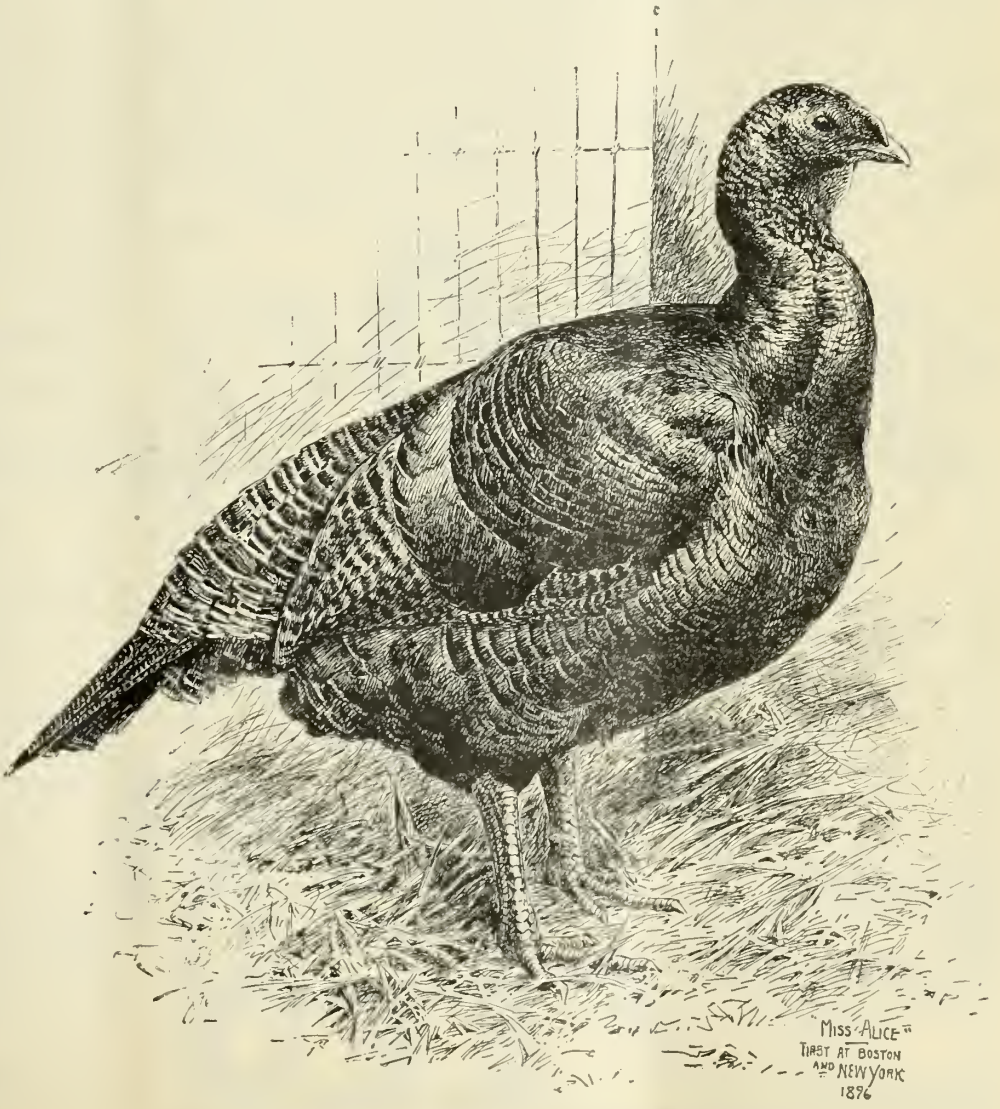
BIG BARGAINS.

Elsewhere in this number will be found some big bargains in poultry, offered by R. Reid Harding, Hillsboro, N. C. Mr. Harding is the poultry manager of the Occoneechee Farm, and has bred thoroughbred poultry for many years. He is an expert breeder of long standing, devoting his time exclusively to this work. In three years his birds won 200 premiums. We are sure if you read his long list of varieties offered for sale in this issue, you cannot fail to find something that you want. The low prices at which they are offered guarantee their immediate sale. A better chance is seldom given anyone and the first comers get the choice.

BE SURE YOU GET THEM.

The Summer numbers of THE FEATHER will be interesting ones; be sure you subscribe now so that you will not miss them.

DRAGOONS, White and Colors.
Very handsome breeders and youngsters for sale. WHITE ANTWERPS.
Stamp for Reply.
JOHN P. PEYTON, Haddonfield, N. J.



"MISS ALICE," ONE OF FISHER'S ISLAND FARM'S WINNERS.

TOO LATE TO CLASSIFY

SOME BIG BARGAINS—Be quick if you want them. 15 Cornish Indian Games, $1 50 each; 10 White Indian Games, $1.50 to $2.00 each; 10 White P. Rocks, $1.50 each; 20 Barred P. Rocks, $1.50 to $2.00 each; 10 Silver Laced Wyandots, $1.50 each; 10 White Wyandots, $1.50 each; 5 Golden Wyandots, $1.50 each; 8 Red Caps, $1.50 each; 10 Brown Leghorns, $1.25 each; 10 White Leghorns, $1.50 each; nice trio White Crested White Polish, $7.50; nice trio White Crested Black Polish, $7.50; two trios Houdans, each $5.00; 4 Buff Cochin hens, $2.00 each; 5 cockerels, $1.00 to $1.50 each; 2 cocks, 1 $2.50, the other $4.00; 5 Buff Pekin Bantam cocks, $2.50 each; 6 Toulouse ganders, $1 50 to $2.00 each; 5 White Guinea males, $1.00 each; 6 White Muscovy drakes, $1.00 each; 10 Pekin Ducks, $1.00 to $1.50 each; 5 Game Bantam hens, $1.00 each; Guinea Pigs, English and Dutch Rabbits and Belgian Hares, at $1.50 to $3.50 per pair. Also English Beagle dogs and pups, pedigreed stock, very reasonable. Address R. REID HARDING, Hillsboro, N. C.

INDIAN GAMES of great size and quality—Experts say the combs of cockerels are the best they ever saw. No white feathers. Heavy yellow shanks, elegant plumage and lacing. 20 hens and cockerels for sale. Eggs, $3.00 per 13. DR. EDWARD MOORE, Albany, N. Y.

REDUCED RATES on all varieties of eggs for hatching after June 1st. Send for rate card. 50-page book of all poultry, pigeons and houses, only 5 cents. J. A. BERGEY, Telford, Pa.

WEBSTER GROVES POULTRY YARDS—My pride is my White Plymouth Rocks. Eggs from my stock are sure to produce winners, $1.50 per 13; $2.50 per 26. Write and mention The Feather. MRS. L. STRAUSS, Webster Groves, Missouri.

THE POPULAR VARIETIES.

The Brookside Poultry Farm, Columbus, N. J., is one of the farms that have made a decided success with poultry raising. This success has been achieved by the personal supervision and untiring efforts of the proprietor, Mr. J. E. Stevenson. The first page of his catalogue tells the whole story; the wording of his introduction being based on the Golden Rule, and expressing his methods of "treating his patrons as he would be treated." Mr. Stevenson is now breeding and offering for sale eggs and stock from the following varieties: Barred Plymouth Rocks, White Plymouth Rocks, Buff Plymouth Rocks, White Wyandots, Buff Wyandots, Black Minorcas, Imperial Pekin Ducks and White Holland Turkeys. These are all practical and popular varieties and a splendid opportunity is here offered to intending purchasers. His birds have won the past season at Madison Square Garden (N. Y.), Garden State (Plainfield, N. J.), Hagerstown, Md., Trenton, N. J., Mt. Holly, N.J., and Gloucester, N. J. Besides these places his customers have won in numerous other shows with birds purchased from him. See his ad. in this number and write him for catalogue and prices. Next month we shall publish a more extended write-up of Mr. Stevenson's farm and illustrate the same.

BUFFS ONLY.

Mr. L. S. Bache, proprietor of Brookdale Farm, Bound Brook, N. J., has disposed of his entire stock of Light Brahmas and White Wyandots and will hereafter devote his entire time and attention to perfecting his Buff Plymouth Rocks and Buff Leghorns. He also breeds



L. S. BACHE.

Pekin Ducks. Mr. Bache has spared neither time nor expense in getting the best blood into his yards and wherever shown his stock has done him great credit, winning their share of the honors at Reading, Pa.; at Plainfield, N. J., 1st, 2d, 3d and special on three entries; at the great New York show he entered one breeding pen and won 4th in the strongest competition. He has purchased of E. P. Shepherd his 3d prize cockerel at that show. Mr. Bache intends to make himself felt at next Winter's shows and we anticipate recording many honors to his credit. While striving to reach as near perfection as possible with his birds he does not lose sight of the practical, as he believes it possible to breed a good bird in color, shape, etc., as well as utility. Mr. Bache is a thorough business man of unimpeachable honesty and integrity, and when he advertises eggs from a certain pen, the customer may depend upon it that those are the eggs he will get. See his ad. and write him for prices.

An Egg Record.

Editor The Feather:

I enclose you an egg record of my Black Minorcas for thirty days from April 7th to May 6th. I think these figures will interest your readers as well as the breeders of these popular birds. From ninety-four hens I got 1,881 eggs, averaging twenty and one-ninety-fourth eggs per hen. I hardly think this record has ever been beaten. One dozen of the eggs taken at random weighed twenty-eight and one-half ounces.

Yours Sincerely,
Bel Air, Md. P. H. McCORMICK.

Making Crumbs.

When preparing bread crumbs for poultry the bread employed should be stale or it will not crumb properly. Then take a sieve with a small mesh such as is generally used for ordinary kitchen purposes, turn it upside down, and rub the bread over the bottom, holding the crusty portion next the hand. It is wonderful how quickly crumbs can be made fine in this way, even in size, and without lumps. A sieve costing a very small sum will serve for years and greatly reduce trouble.



BUFF ROCK TRULY.

One of the exclusive breeders who has scored high with his birds is Mr. H. S. Burdick, Rome, N. Y. He devotes all his time to perfecting this one variety, and the results have been exceptionally gratifying to him and his customers. He does not exhibit his birds, because he cannot attend the shows personally, being well advanced in years, he cannot be away from home for any length of time. While he does not exhibit his birds personally, they are shown by his customers, and we quote the following from his letter before us: "I have furnished more prize winning birds the last two years, at the New York State shows (either birds or birds from eggs) than all other Buff Rock breeders combined. At the last Madison Square Garden show, out of six parties winning on Buff Rocks four of them were customers of mine—for birds or eggs, or for both. * * * Some of these winners hatched from eggs sold, or raised from stock sold by me, were purchased from my customers for fifty and seventy-five dollars each." We would advise those wishing pure Buff Rocks to write him as per his ad. for prices and full particulars.

KULP'S WINNERS.

Mr. Wm. W. Kulp, Pottstown, Pa., who has been an advertiser in THE FEATHER for several months, reports large sales in stock and eggs this season. Mr. Kulp breeds very fine birds and is an annual exhibitor at our eastern shows. He breeds Rose and Single-comb Brown Leghorns, Barred and White Rocks, Black Langshans, White Wyandots, Buff Leghorns, Light Brahmas, Black Minorcas, Single-comb White Leghorns, and Pekin Ducks. This is quite a varied list of breeding stock, but Mr. Kulp has proven himself capable of breeding prize winners in some of our best shows for the last twelve years. Note his ad. and write him for prices, circulars, etc.

WON THEM ALL.

Mrs. James Osborne, Fabius, N. Y., is an exclusive breeder of White Minorcas. At the last Elmira show she entered ten birds and won the following: 1st and 2d pens, 1st and 2d cockerels, 1st and 2d hens, and 1st, 2d and 3d pullets. Her best pullet scored 96½ points, being the highest scoring bird in the show. Mrs. Osborne gives much care and attention to her stock and spares nothing to make them the best in the country. If you are interested in White Minorcas, it will be well to write her for prices before you buy elsewhere.

THE KINGSTON LOFTS.

One of the most interesting catalogues we have received lately is that of the Kingston Lofts, Joseph A. Blankemeyer, proprietor. These lofts are at 1512 North Eleventh St., Philadelphia, Pa., as will be seen by his ad. elsewhere in this number. Mr. Blankemeyer breeds the Homing Pigeon exclusively, and his stock is of the highest order. This season he is breeding from thirty-one pairs of record birds and is offering youngsters at exceptionally low figures. If you send for one of his new catalogues and price list, you can see the matings of each pair of breeders and their official records.

A GOOD WATCH.

Your attention is called to our special watch offer in this number. This is a watch that anyone could carry with heir best clothes on.



First Cockerel at Washington, D. C.

It Is an Undisputed Fact that

WARNER'S BARRED P. ROCKS

Are Hustlers in the Show-room. They Have Won Hundreds of Prizes in the Last Eight Years at the Leading Shows of America.

—o—

At Recent International Show held at Washington, D. C., 1897, They Made a Sweeping Victory, Winning 1st and 2d Cockerel, 2d and 4th Pullet, 5th Hen, 1st Pen, and all Specials.
Washington, D. C., 1896—Grand Gold Special for Highest Scoring B. P. Rock in Show. Our Winners Remain in Our Breeding Yards. Eggs from Special Mating, $3 per 13; $5 per 26. S. C. Brown Leghorns and B. Minorcas, $1 per 13; $2 per 30.

A. E. WARNER,
Lincoln, Va.

CHAMPION'S IMPORTED BLACK MINORCAS

Consist of imported cockerel, 1st at Buston, 1st hen at Birmingham, 1st pullet at Whelbeck, England. At Michigan State show I won 1st hen, 93; 1st pullet, 93; 2d pullet, 92½; 3d pullet 91½, tie, cut 2 to 2½ on weight, being reduced in flesh, caused by transportation from England. Eggs, $3.00 per 13; $5.00 per 26. B. B. R. Games—1st cock and silver cup winner at Whelbeck, 1st and cup special at Buston, 2d at Birmingham, v. h. c. at Crosgate and Lebshelf. Mated with five imported female prize winners. Eggs, $3 00 per 13; $5.00 per 26. I also breed Partridge Cochins, R. C. Brown, R. C. White and S. C. Buff Leghorns. Eggs, $2.00 per 13; $3.75 per 26. Barred and White Rocks, English Red Caps. "No birds for sale." Eggs, $1.50 per 13; $2.75 per 26. Poultry supplies, oyster shells, Mica Crystal Grit, Carbozine, Chloro Naptholum. Send for circular giving matings. I pay my own postage.

S. CHAMPION, Cass City, Mich.
AGENT, W. WOOD'S POULTRY YARDS, ENGLAND.

MUNSON & ALLEN, WASHINGTON, D. C.

Breeders of Bearded Golden Polish, Buff Laced Polish, White Crested Black Polish, Bearded Silver Polish, White Crested White Polish, White Wyandots, Black Minorcas, White Leghorns, Golden and Silver Sebright Bantams.

From forty-one birds entered at the Washington Show, 1897, forty birds were prize winners. These birds are all now in our breeding yards. No finer stock in the United States. Eggs, $3.00 per sitting 13 eggs. Stock for sale November 1st. Address all correspondence to

MUNSON & ALLEN, 1524 T St., N. W., Washington, D. C.

KEYSER'S BLUE ANDALUSIANS

Strain is the Leading Strain in America. Eggs from Finest Prize Birds, $3 per 13; $5 per 26.

Winning more prizes and higher honors than any other breeder of this variety in America.

I also breed America's leading strains of Buff and Barred Plymouth Rocks, Single Comb and Rose Comb White Leghorns and Pekin Ducks. Winning the highest honors, cups and specials at Reading, Mt. Gretna, West Chester, Saratoga, Trenton, Newburg, Hagerstown, Washington, New York and Boston, in 1896 and '97.

EGGS—Plymouth Rocks, $2.00 per 13; $4.00 per 26. Leghorns, $1.50 per 13; $3.00 per 26. Pekin Ducks, $1.00 per 11; $6.00 per 100. Special prices on large lots quoted on application.

Runt Pigeons and stock for sale at all times. Stamp if convenient. 4c. for catalogue. Satisfaction guaranteed. Mention The Feather.

A. C. KEYSER, Lower Providence, Pa.

Buy the Best Eggs for hatching

OCEAN TO OCEAN

Highest Honors Wherever Shown -- FROM SAN FRANCISCO TO BOSTON.

HATHAWAY BROS. were first to introduce the popular Minorca to the American fancy. HATHAWAY BROS. made 20 ODD IMPORTATIONS from England, including SPANISH, ANDALUSIANS, MINORCAS, REDCAPS, POLISH, high as 70 INDIAN GAMES, 51 BUFF LEGHORNS at a time.

FINEST in HOUDANS, HAMBURGS, LEGHORNS, PLYMOUTH ROCKS, LANGSHANS, BRAHMAS and WYANDOTS, including

BUFF WYANDOTS LEGHORNS PLYMOUTH ROCKS OF MODERN TYPE SIZE COLOR

BUFF TO THE SKIN

30 POPULAR VARIETIES RAISED ON 36 SEPARATE FARMS

No one has better Bred

Eggs, $2.00 and $3.00 per set. Birds for sale. Fertile eggs guaranteed.

Exportations—Have had orders from **England**, Scotland, **Venezuela, Cuba**, Nova Scotia, Newfoundland, **Prince Edward's Isle, Vancouver**, Winnipeg, Canada, **Mexico** and every State and Territory in this Union. Also dealer in **Fine Dogs, etc.—Fox Terriers, Beagles, Ferrets**—and

PROPAGATOR of Small Fruit Plants—**Strawberries a Specialty**—Best sorts—Prices right. **12-Page Price List Free—Send 10 cents** for large illustrated (poultry) wall calendar and price list, 1897. Visitors welcome. Patronage solicited. Inclose stamp and write

Wick. B. Hathaway, Manager,
Madison, Lake County, Ohio.

CLASSIFIED ADVERTISEMENTS

Fully prepaid advertisements of six lines or less inserted under this heading at the following rates:

One time	$ .50
Three times	1.25
Six times	2.25
One year	4.00

Copy may be changed as often as desired, though we advise running a standard ad. when possible, in order that buyers may become acquainted with it. Length of ad. is not limited, but each line or part of line in excess of six will be charged for at the rate of 8 cents for one month, 20 cents for three months, 35 cents for six months and 65 cents for one year. Space may be estimated at the rate of seven words to the line, counting each number and initial as a word.

PLYMOUTH ROCKS

PLYMOUTH ROCKS—Barred and White. Hundreds of fine breeding and exhibition birds for sale; bred in line for years from high scoring stock. Also Buff Cochin Bantams. Write for prices on what you want and mention THE FEATHER. F. J. MARSHALL, Sunny Side, Ga.

WILSON'S FIRST PRIZE WINNING BUFF PLYMOUTH ROCKS. World's Fair, '93; Troy, N. Y., '94; New York, '95. At the recent New York Show won 1st, 2d and 4th cock; 1st, 3d and 4th hen; 1st and 3d cockerel, and 3d and 5th pullet. Eggs, $5.00 per 13; discount on two or more sittings. J. D. WILSON, Box 127 C, Worcester, N. Y.

FREDERICK E. COLEMAN, breeder and shipper of Barred Plymouth Rocks exclusively. Eggs, $1.25 per 13; $2.00 per 26. Box 22 A, Manchester Green, Hartford Co., Conn. Mention The Feather.

HAWKINS' Pure Strain of B. P. Rocks and Silver and White Wyandots. Some high-scoring cockerels yet for sale. Eggs from these three varieties, $1.50 per 13; Black Minorcas, $1 per 13. R. L. MAGNESS, Wheel P. O., Harford Co., Md.

BUFF and Barred Plymouth Rock eggs—I will sell a limited number from my prize pens at $2.00 per 13; also White and Buff Cochin eggs, $2.00 per 15. Stock for sale. R. P. THOMPSON, Patterson, N. Y.

WHITE ROCKS (Hawkins and Empire strains), Barred Rocks (Hawkins and Bradley Bros. strains). Eggs, $1.00 per 15; $5.00 per 100. Also improved Chester White Pigs and Scotch Collie Pups. Write your wants. Circulars free. H. M. LYON & SONS, Spring Hill, Pa.

BARRED PLYMOUTH ROCKS exclusively—70 choice yearling hens for sale, best strains, after June 1st at $1.50 to $2.00 each. Guaranteed as represented. Eggs, $1.50 per 15; $5.00 per 100. Correspondence promptly answered. WM. R. PAGE, Avon, N. Y.

S. W. HUNSBERGER, South Hatfield, Montgomery Co., Pa.—I have one pen of Buff Plymouth Rocks, bred out of New York show first prize winners. The cockerel that heads the pen won 1st on pen at Reading. Eggs, $4.00 per setting.

BUFF PLYMOUTH ROCKS EXCLUSIVELY Winners at Chicago. Clean sweep at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

BUFF P. ROCKS—If you want stock that is sure prize winners, try my eggs, $2.00 per 13; $4.00 per 30. No better in the United States. Insure good hatch. Square dealing. JAS. S. WARNE, Washington, N. J.

MILLER'S White and Barred Rocks are sure winners. Eggs, $2.00 per 13. One White Rock cockerel for sale, price $5.00; score 91. Address B. D. MILLER, Box 52, Providence, R. I.

W. P. ROCKS—Winners for four years at the leading shows, Boston, Worcester, etc. Eggs from pen containing four 1st prize (scoring 95 and over) and several 2d prize birds, $1.50 per setting. Five 1st prize winners hatched from one setting bought of us in '96. H. A. NOURSE, Box 1101, Barre, Mass.

A. S. SWARTLEY, Line Lexington, Pa.—Eggs for hatching of first-class Buff P. Rocks and White African Guineas. Stock for sale. Eggs, $1.00 per 15; $2.00 per 40; $3.00 per 60. Also the leading varieties of fancy pigeons at hard-time prices. Circulars free.

BUFF PLYMOUTH ROCKS EXCLUSIVELY. Eggs for hatching from selected matings, $1.00 and $2.00 per 13. Cockerels and pullets for sale. WM. C. TOMSON, Milford, N. J. Write me, mentioning The Feather.

WHITE, BUFF AND BARRED P. ROCKS, White and Cornish Indian Games, S. C. Brown and Buff Leghorns and Black Langshans. Fowls and eggs at living prices. Illustrated circular free. G. W. WAYLAND, Rochelle, Va.

NEWTON FALLS POULTRY YARDS—White Plymouth Rocks exclusively. I have as fine stock as there is in America; noted for size, vigor, shape, color and egg production. Eggs from birds scoring from 92½ to 94½, 15 for $2.00. Satisfaction guaranteed. Stock in season. Mention The Feather. J. B. BEARD, Newton Falls, Ohio.

WHITE PLYMOUTH ROCKS exclusively. Made three entries at Washington, D. C., 1897, and won on all: 1st on pen, 2d on cockerel and 2d on pullet. Eggs, $1.50 and $1.00 per 13. J. F. DEFANDORF, Garrett Park, Md.

BLUE BARRED PLYMOUTH ROCKS (E. B. Thompson strain), large White Wyandots (Knapp and Hunter strains). My fowls have free range, thus insuring fertility. Eggs, $1.00 per 13. Also, one trio fine Light Brahmas. Write to M. B. HICKSON, Lynchburg, Va.

CLOVER POULTRY FARM, L. F. Giering, Bethlehem, Pa., breeder of thoroughbred B. P. Rocks, S. C. B. Leghorns, Golden Sebright Bantams. Birds have unlimited range of a large farm. No eggs shipped over three days old. $1.00 per 13. Circular free.

W. C. HART, Rural Poultry Farm, Walden, N. Y.—Barred Plymouth Rocks of large size and fine shape; eggs, $1.50. White Plymouth Rocks (Frost strain), pure white plumage and attractive appearance; eggs, $2.00. Incubator eggs at low rates. Birds for sale. 1897 catalogue, illustrated, beautiful cover; a peep at the "Wide, wide world," mailed for stamp only.

BLUE BARRED PLYMOUTH ROCKS (Hawkins, Thompson and Bradley Bros. strains), Buff Leghorns (Arnold strain), White Leghorns (Knapp strain); all pure bred and best quality. Eggs, $1.00 per 13; $2.00 per 26. DR. ANDREW BURT, Tamaqua, Schuylkill Co., Pa.

FINE POULTRY my pride; its care my recreation. No time to exhibit, but have the stock that produces winners. White Plymouth Rocks, Black Breasted Red Games. None better; few as good. Satisfaction guaranteed. Eggs, $1.50 per 13; $2.50 per 26. F. M. KELLY, Parsons, Tucker Co., W. Va.

WHITE PLYMOUTH ROCKS—Cocks, hens, cockerels and pullets for sale at all times. Eggs, $2.00 per 13. LOUIS C. ROGERS, 200 Adams St., Rochester, N. Y.

BARRED Plymouth Rock and Buff Cochin eggs from the best strains for sale at $1.00 per sitting. One yearling Barred Plymouth Rock cock for sale very cheap. Can also furnish Pit Game eggs. J. C. ADAMS & BRO., 66 Cabell St., Lynchburg, Va.

DR. JOHN A. MYERS, Morgantown, W. Va., offers a few choice sittings from prize winners. Same as we use in the Experiment Station. Wyandots, Leghorns, Plymouth Rocks, Indian Games, Silver Spangled Hamburgs, Golden Sebright Bantams. Sitting, $1.50. Correspondence invited.

LOCUST GROVE POULTRY YARDS—Barred Plymouth Rocks and S. C. Brown Leghorns a specialty. Eggs, $1.50 per 15; $2.50 per 30. Satisfaction guaranteed. Poultry paper free 1 year with every order. C. J. MEETZE, Bristow, Virginia.

MONROE POULTRY YARDS—By careful mating and sparing no expense our birds are solid buff. This season we guarantee a large percentage of Buffs hatched from our yards. Buff Rocks, Buff Wyandots, Buff Cochin Bantams. Eggs, $2 and $1 per setting. BORN BROS., Stroudsburg, Pa.

BUFF PLYMOUTH ROCKS—I breed them exclusively because they are the best "all-purpose fowl" ever offered. Five yards of extra large, "up-to-date" birds, with pure undercolor, as "buff to the skin" as Cochins. No feathered legs; no white; Buff Rocks have skin, pin-feathers and legs same golden yellow. Eggs, $3—they hatch. Stock for sale. H. S. BURDICK, Rome, New York.

BUFF PLYMOUTH ROCKS and Buff Leghorns—Prize birds at Illinois State and other big shows, 1897; others got by Madison Square Garden winners. Best strains. Eggs for sale. If you wish the best, address C. J. STUCKEY, Box 337, Lincoln, Ill.

LEGHORNS

EGGS from prize S. C. B. Leghorns scoring from 91 to 94 at $1.00 per 13. Thirteen prizes on seventeen entries in '96; ten prizes on eleven entries in '97. Two eggs extra if you mention The Feather. W. B. GERMAN, Specialist, Dansville, N. Y.

WAYNE POULTRY YARDS, Coatesville, Chester Co., Pa., J. H. Scherer, Prop.—S. C. B. Leghorns exclusively. Prize winners wherever shown. Stock and eggs for sale at all times. Write for prices. Mention The Feather when writing. Also Gordon's Poultry Food for sale.

LEGHORNS A SPECIALTY—White, Brown, Black, Dominique and Silver Duckwings. Winners at the leading shows. At the recent Wilkes-Barre Show I had 16 entries, won 16 prizes; 12 1sts, 2 2ds and 2 3ds. Some fine stock for sale. Eggs in season. Write for prices. GOOD WILL POULTRY YARDS, 413 North 10th St., Allentown, Pa. Wm. H. Heimbach & Co.

W. A. PIERCE, West Chester, Pa.—Rose Comb Brown Leghorns exclusively. Breeding and exhibition birds for sale; also, eggs in season. 1st pen, West Chester, Pa.; 2d on cockerel and 3d on pullet, Pottstown, Pa. Write for prices. Mention The Feather.

OUR SPECIALTY, White and Buff Leghorns; also Buff and W. P. Rocks, Lt. Brahmas, Blue Andalusians, G. P. Hamburgs, Red Caps. Eggs, $1.50 per 13. B. Leghorns, Black Minorcas, S. S. Hamburgs, White and Silver Wyandots, $1 per 13. Many of them winners in good company. HAMME BROS., Smith's Station, York Co., Pa.

R. C. B. LEGHORNS, "Shoemaker's strain from 111." as fine as anyone can find. Eggs for sale, $1 a sitting; also White Minorcas, Thomas A. Duff's strain, Canada, up to the standard, $2 a sitting. Mention The Feather. Mrs. D. W. WITTER, Newmanstown, Pa.



SINGLE C. B. LEGHORNS—Never fail winning all first prizes wherever shown. My yards for '97 have all been scored by J. Y. Bicknell, 90 to 95. Catalogue for stamp. L. O. BROMLEY, Forestville, N. Y.

BUFF Leghorn stock and eggs from birds that are Buff and not a bird scoring less than 92, taking prizes every show entered; 103 prizes in two years—Amesbury, Stoneham, Malden, Boston, Peabody, Gloucester, Essex County Fair, Mass., and Manchester, N. H. Eggs, $1.50, 13; $4.00, 50; $8.00, 100. FRANK WOODBURY, 2d, Beverly, Mass.

BUFF LEGHORNS—One of the finest flocks in America. Winners for six years, also Chicago and Detroit, 1897. Send for circular, free, stamp accepted. GEO. S. BARNES, Battle Creek, Mich.

AUBURNDALE POULTRY YARDS, N. Y.—Breeders bred by New York winners. Like begets like. Buff and Single Comb Brown Leghorns, White Wyandots and Barred Plymouth Rocks. Stock for sale. Eggs, $2.00 per 15. Satisfaction guaranteed. A. J. LUTESINGER, Auburn, N. Y.

EGGS from S. C. and R. C. Brown and White Leghorns, Brown, Red and B. B. R. Games that score from 92 to 94½. Eggs, $1.00 per 13. Stock for sale. Write for prices. Twelve years a breeder. LAUREL SNEDEKER, Roscoe, O.

BUFF LEGHORNS exclusively—buff to skin—Before placing order for eggs send for photo. from life showing true Leghorn shape. BERT SMITH, Box 438, Port Byron, N. Y. Mention The Feather.

S. C. Brown Leghorns only—Winners at Rochester, N. Y., three successive years. 1897, seven premiums on five entries. (Forsyth strain.) Three grand yards. Good size, color, shape. Stock for sale; satisfaction guaranteed. Eggs, $1.50 per 15; $2.50 per 30. FRANK G. RICE, Dansville, N. Y.

FIFTY cents per dozen or $3.50 per 100, S. C. W. Leghorn eggs. 500 birds. Lay all the year. Circular free. S. J. BISHOP, Box 38, Cheshire, Conn.

CEDAR HILL POULTRY FARM—Write to Cedar Hill Fruit and Poultry Farm for prices on Single Comb Brown Leghorn, Barred P. Rock and Buff Cochin fowls and eggs. Some fine surplus cockerels of first-named breeds for sale low. Eggs for incubator use, $5 per 100; good common eggs (large breeds), $2 per 100. R. S. COLE, Harmans, Md.

BRAHMAS

LIGHT BRAHMAS. STEPHEN SPENCER, Morris Plains, N. J. Originator and breeder of the famous Duke of Morris Strain of Light Brahmas. Eggs $2.00 and $3.00 per sitting. Buff Pekin Bantam eggs, $3.00 per sitting. Buff Cochin eggs, $4.00 per sitting. Light Brahma cockerels, $2.00 to $5.00. When writing for wants mention The Feather.

L. H. MORSE, Newark, New York, originator and breeder of the famous Imperial strain of Light Brahmas. Choice selected breeding cockerels, $2 each, that are strictly of prime quality and are worth $5 each. Perfect satisfaction guaranteed or money refunded. Eggs from selected matings of Light Brahmas and Gold Laced Sebright Bantams, $2 per 13.

CHOICE UP-TO-DATE STOCK of Lt. Brahmas, Single Comb Brown Leghorns and Barred Plymouth Rocks. Eggs, $1.00 per 13. Satisfaction guaranteed. If you wish high quality and fair treatment, address J. M. PORTER, Morristown, N. J.

LIGHT BRAHMA eggs for hatching. Bred for general utility. Large size, vigorous stock, prolific layers of beautiful large brown eggs. 75 per cent. fertility guaranteed. $1.50 per 13. No discount for quantities. See display ad. page 286. HARTNEST FARM, Framingham, Mass.

GAMES

CORNISH INDIAN GAMES from River-View Poultry Yards are prize winners. Nothing but the best. Stock and eggs for sale. Also, breed Black Minorcas, Light Brahmas and Barred Plymouth Rocks as good as the best. Write what you want. H. M. CARPENTER, Proprietor, Sing Sing, N. Y.

TRY our West Virginia eggs. The choicest of stock. Plymouth Rocks, Silver Spangled Hamburgs, Indian Games, Brahmas, Leghorns, Black Minorcas, Blue Andalusians, Silkies, Wyandots, Black Langshans. Birds skillfully mated. Sitting, $1.50. Correspondence invited. JOHN A. MYERS, Morgantown, W. Va.

WADE H. D. WARFIELD, Sykesville, Md.—"Gold Leaf" strain of Black Red Games. Mating No. 1—Imported birds; cock stands 32 inches and weighs 9 pounds, 5 ounces; eggs, $5 setting. Mating No. 2—Headed by 1st and special as cockerel at Washington; to him are mated 1st and 2d hens at Washington, 2 Spaulding hens and 2 Peirce hens. Also Silver Duckwings, Pyles and White English Games. All my birds of each variety are heavy weights, though in breeding for size I do not sacrifice Game characteristics. Fanciers wishing to bring up their stock in size and at the same time retain all fine points, will find such birds from my matings. Circulars free.

J. OLIVER & SON, Charlotteville, N. Y.—Heathwood Games a specialty. We breed for pit purposes; they are vicious fighters and will stand till dead. Rouen Duck eggs in season, $1.00 per 13.

E. D. CASTLETON, originator and breeder of Castleton's Celebrated Whalebacks, Vendetta Greys, Whirlwind Toppies, Cinnamon Reds and Blue Shuffler Games and Castleton's Tiger Terrier Dogs, the grandest fighting stock in America. Eggs, medium weights, $3.00; Shakebags, $5.00. Also breeder of other leading strains and Bull Terrier Dogs, Games and Fighters. Elegant catalogue and guide 10 cents. Price list free. Washington C. H., Ohio.

WYANDOTS

WHITE WYANDOT EGGS from pens headed by our prize-winners, $3 per 13, $5 per 26, $10 per 65, $15 per 100. Our strain has won more 1st premiums at leading shows than any in the United States or Canada. JOHN B. FELT, Somerville, Mass.

WHITE WYANDOTS, Golden Wyandots, White Plymouth Rocks, Partridge Cochins, Buff Cochins, Buff Leghorns, S. C. Brown Leghorns, S. C. White Leghorns, R. C. White Leghorns, Pekin Ducks. Stock for sale. Circular free. Show record unsurpassed. Eggs, $1.50 per 13; $8.00 per 100. P. L. DWIGHT, De Ruyter, N. Y.

S. L. WYANDOTTES—Thoroughbreds only. Fine healthy stock, having free range on 100 acres. Cockerels, $1.00, $2.00 and $3.00; pullets, $1.00 and $2.00. Eggs in season, $1.00 to $2.00 per sitting, according to matings. J. M. HAMBLIN, Highlawn Farm, Vienna, Fairfax Co., Va.

NIXON'S White Wyandots are winners at the largest and best shows in America—Madison Square Garden, Trenton, etc. Eggs from selected pens that will produce winners, $2.00 per 13; $3.50 per 26; $5.00 per 40. Illustrated circular free. CHAS. NIXON, Box C, Washington, New Jersey.

G. E. HALTEMAN, Tiffin, Ohio, offers "eggs" from his prize winners, "Golden Wyandots," grand in color and symmetry; winning 21 prizes at three shows this Winter. Cock, 94; pullets, 94, 93½, 93½, 93, 93, 92½ and 92. Bridge, Bicknell and McClave, judges. Also, Partridge Wyandot eggs. Stock for sale. Circular free.

WHITE WYANDOT EGGS from large, healthy white birds; nearly every bird in yards has won prizes. Write for awards won at West Chester, Trenton, Elkton, Hagerstown and Mt. Gretna. Why pay $3.00 to $5.00 when you can get just as good at $1.00 per 13 from FRANK S. PIERCE, West Chester, Pa.?

S. L. WYANDOTS—For the past ten years I have bred S. L. Wyandots exclusively. Do not sell best hens, but can furnish their eggs at $1.00 per 15; incubator eggs from thoroughbred free-range stock, $3.00 per 100. A few cockerels for sale. J. RILEY LEWIS, Lewis, Ohio.

DR. JOHN A. MYERS, Morgantown, W. Va., offers a few choice sittings from prize winners. Same as we use in the Experiment Station. Wyandots, Leghorns, Plymouth Rocks, Indian Games, Silver Spangled Hamburgs, Golden Sebright Bantams. Sitting, $1.50. Correspondence invited.

GOLDEN WYANDOTS that win. At Owensboro, Dec. 29 to Jan. 2, 1st Cock, 91; 1st and 2d Hen, 92—90½; 1st and 2d Pullet, 93¾, 91¾; 1st Breeding pen; special for highest scoring Wyandots. At Louisville, Ky., (State Poultry Show), 2d and 3d Cock, 91, 88; 1st, 2d, 3d Hen, 93½, 93, 90½; 1st, 2d, 3d Pullet, 93½, 93, 92. Also breeder of Black Langshans and B. P. Rocks. Eggs, $2.50 per 13; Pen No. 1 B. Langshans and Golden Wyandots, $2.50 per 13. W. E. KEMP, New Albany, Ind.

WYANDOTS—Buff, White, Laced, Golden—Winners at Detroit, Chicago, Lansing, Grand Rapids and Charlotte. Eggs and stock for sale. Circulars free. Members B. C. Poultry Club. W. & W. R. OLIVER, Battle Creek, Mich. Mention The Feather.

BUFF WYANDOT eggs for hatching from two fine yards, $2.00 per 13 straight. KING & WHITING, Plainville, Mass.

EGGS from choice matings of Silver Wyandots, $1.50 per sitting. At Tiffin (Ohio) Show, 1897 won 1st, 2d and 3d on hens, 2d and 3d on cocks Barred Rock, Houdan and Indian Game eggs, $1.00. Satisfaction guaranteed. D. M. McQUEEN, Bowerston, Ohio.

SILVER LACED WYANDOTTES EXCLUSIVELY. None better, few equal. Number of excellent breeding birds from $2.00 upward. A few extra fine exhibition birds; prices on application. Eggs in season, from best matings, $2.00 per 15. Satisfaction assured. THEO. E. F. HOLZHAUSER, Broad River Poultry Yard, Columbia, S. C.

EGGS ABSOLUTELY FREE from large farm-raised S. L. Wyandots. Pen 3 headed by magnificent cock; finest comb and breast I ever saw. Pen 3 averaged 20 3-7 eggs apiece in March; $2 per 13, $3.50 per 36. Two "Wooden Hens" for sale or exchange. W. O. SANDERS, Deer Lick, Pa.

COLUMBIAN WYANDOTS, the new variety having the beautiful markings of the Light Brahma—Eggs, $4 per 13; $10 per 39. Also prize-winning Golden Wyandots, having the open, rich mahogany centers so much sought after by fanciers. Eggs, $2 per 13; $5 per 39. Mention The Feather. L. H. DAVIS, Port Jefferson, N. Y.

BUFF WYANDOTS EXCLUSIVELY—I breed from selected stock and they are buff to the skin. Eggs, $1.25 per 13; $2.00 per 26; $6.00 per 100. Stock for sale this Fall. H. D. PRICE, Washington, Warren Co., N. J.

COCHINS

H. A. LOGUE, Hagerstown, Md.—Buff Cochins exclusively. Winners at Mt. Gretna, Pa., Carlisle, Pa., and Hagerstown, Md., 1895 and 1896. At Hagerstown, 1896, with 3 entries, won 1st on pullet, 2d on cock and 2d on pen. Eggs, $2 for 13.

BLUE RIBBON WINNERS at New York, 1st and 4th Cock, 1st and 3d Hen, 1st Pullet, 1st White Pen, 1st Black Pen, and my past record at Wasnington, New York, and other places on my Black, White and Buff Cochins. Eggs from my prize-winners, $2 per 13. Stock for sale. GEO. E. WRIGHT, Patterson, N. Y.

R. P. THOMPSON, Patterson, N. Y., breeder of prize White, Buff and Black Cochins Eggs, $2.00 per 15, $5.00 for three sittings, from my New York and Washington prize pens. 20 White and Buff cockerels, $3.00 each; 2 for $5.00. 10 yearling cocks, $3.00 to $5.00 each.

EGGS, ONE DOLLAR per 13—Buff Cochins, Indian Games, W. Wyandots and Redcaps. Get the best at the lowest price. Stock carefully mated for best results. Satisfaction guaranteed. FENTON SHERWOOD, Suffern, N. Y.

$1.50 FOR 15 EGGS, $2.50 for 30, from thoroughbred American Buff Cochins (heavy weights); large size, vigorous stock, full feathered, and solid buff in color. A good hatch guaranteed. H. S. CHRIST, Pine Grove, Pa.

MINORCAS

WHITE MINORCAS—At Elmira Show, January, 1897, won 1st on pen, 1st and 2d on cockerels, 1st on pullet and all specials. Fine, large birds for sale. Eggs, $2.00 a setting. MRS. JAMES OSBORNE, Box O, Fabius, N. Y.

DOLLAR EGGS—Black Minorcas, sired by son of Black Giant (Northup's); Barred Plymouth Rocks (Thompson's strain). Eggs from these birds only $1.00 per 13. Try me; I will treat you right. Stock standard bred and mated for best results. No stock for sale. JOHN E. WEST, Columbia, Pa.

MINORCAS FOR PROFIT EVERY TIME—Thoroughbred high-scoring heavy weights, headed by a 7¾ pound, 92 point cockerel; 5 of those laid 140 eggs last April; $1.50 per 13, $2.25 per 26; 9 chicks guaranteed or will duplicate order for 25 cents a setting. A. H. FLUCK, Dubuque, Ia.

ROSE COMB BLACK MINORCAS—Choice cockerels and pullets, $1.50 to $2.00 each. Eggs, $1.50 per 13; $3.00 per 30. B. P. Rock eggs, $1.00 per 13; $2.00 per 30. No circulars. A. B. HOLLINGSWORTH, Wilna, Md.

BLACK MINORCA winners at New York, Elmira, Binghamton and other shows. Eggs, $3.00 for 13; $5.00 for 26. Send for circular. SANTEE & CUNNINGHAM, Box 400, Chenango Bridge, N. Y.

A. W. STIEFEL'S Black Minorcas won 1st cockerel, cock and pen, 2d hen, and 1st, 2d and 4th pullets at the Des Moines Valley Poultry Show. Choice stock for sale. Eggs from prize matings, $3.00 per 13. Burlington, Ia.

BREEDER of Black Minorcas, Buff Cochins and Barred Plymouth Rocks. My cocks of these three strains are hard to beat anywhere, as shown by the scores made by each. My 1897 birds will do better, as shown by the make-up of the pens this year. Eggs, $1.50 per 13. Address RIVERVIEW POULTRY YARDS, Allegheny, Pennsylvania.

BLACK MINORCAS—My stock is first-class. Every honest endeavor made to please all customers. Eggs from fine prize winners at $1.50 for 15. R. B. RAGSDALE, Munson St., Knoxville, Tenn.

NORTHUP'S MINORCAS win more prizes for his customers than any other four strains combined. Catalogue (free) contains pictures of 21 most noted Minorcas in America. Stock and eggs for sale. Hatch guaranteed regardless of distance. GEORGE H. NORTHUP, Box 307, Raceville, N. Y.

G. R. WILLSON, West Thomas Street Rome, Oneida County, N. Y. — Originator and breeder of the Metallic-green Strain of Black Minorcas exclusively. Great station and heavy weight. At the Utica Show, 1897, I won 1st cock, scored 94 with comb frosted; tie 1st hen, 95; 1st cockerel, 95; tie 2d pullet, 95; 2d breeding pen, 188⅝; tie 3d cockerel, 94. Rockenstyre, judge. At the Oneida Show, 1895, I won 1st pair fowls, 91½, 93; 1st pair chickens, 95, 94; 2d pair chickens, 92½, 94. Bicknell, judge. Eggs, $2 per 13. Stock always for sale. Write for circular.

DAVIS' BLACK AND WHITE MINORCAS stand on their merits. Winners at America's greatest shows. Eggs, $2.00 per 13; $5.00 per 39. A few fine birds for sale cheap. Order now. S. H. DAVIS, Lansing, Mich. Mention The Feather.

POLISH

AMERICA'S best in White Crested Black, Buff Laced and Plain Golden Polish. Great sweep at Hagerstown, New York and Washington. First prize winners at Madison Square Garden, N. Y., head my yards. Fowls and eggs in season. Send for list of premiums won. J. W. BRUCKART, Lititz, Pa.

POLISH—S. F. Gulliford, Akron, Ohio., "The home of the Polish fowl," White Crested Black, Bearded Golden, Bearded Silver and Bearded Buff Laced Polish. For the last twelve years my Polish have stood without a rival at our greatest exhibitions.

LANGSHANS

CONESTOGA Poultry Yards, Conestoga, Pa. Black Langshans, Buff Cochins and Barred Plymouth Rocks. Eggs, $1.00 per 13. A few cockerels for sale. Write for catalogue. DR. I. M. WITMER.

BLACK LANGSHANS EXCLUSIVELY—Free range; best layers and table fowl. Eggs, $1.00 per 13. Address J. H. BORMANN, Station M, New York, N. Y.

MRS. J. J. HAYSLIP, Bartlett, Tex., breeder of high-class prize-winning Black Langshans. Eggs in season, $2.00 per 13. Price of fowls, a matter of correspondence. My birds are from the well-known breeders, Wm. M. Hughes, Albert Lemen and Mrs. M. A. Smith, mated for the best results by H. B. Savage.

NORTHROP'S BLACK LANGSHANS. Our birds won at Jackson, Grand Rapids, Lansing and Detroit. Our pens are mated from prize winners for best results. Our $3.00 eggs for $2.00 per sitting. A few fine cockerels cheap. B. D. NORTHROP & SON, Lansing, Mich.

BLACK LANGSHANS, Light Brahmas, Barred Plymouth Rocks, Single Comb Black Minorcas, Single Comb Brown Leghorns. Eggs, $1.00 for 13; $1.50 for 26. C. A. AMBROSE, Ligonier, Pa.

WHITE and Blue Langshans, W. Minorcas, Golden Wyandots—At Binghamton, 1896-97, won all 1st and 2d prizes. New York, 1896-97, Whites won on cocks, 1st and 2d; hens, 1st and 3d; cockerels, 1st and 3d; pullets, 3d and 4th. Eggs, $2.00. BLAIR & SHERMAN, Castle Creek, N. Y.

HAMBURGS

S. S. Hamburgs and W. Wyandots—Won on Hamburgs at Brocton (N. Y.) Show, 1st and 2d cock, scoring 90½ and 88 points; 1st hen, 90 points, and 2d pen. Stock for sale. Eggs only $1.00 per 13 from both breeds. L. D. COWDEN, Fredonia, N. Y.



MAYO'S SILVER SPANGLED HAMBURGS have been long and favorably known as the best strain and most typical of all the S. S. Hamburgs in the United States, won at the late New York show, Washington, D. C., Boston, Scranton and everywhere shown. Eggs, $2.00 per 15. Stock for sale at all times. Stamp for circular. JAMES MAYO, Pittston, Pa.

SILVER Spangled Hamburgs exclusively—At Cambridge, 1896, won 1st on chicks, 1st cockerel, 1st pullet, 2d pullet, 1st hen. Stock for sale. Eggs, $1.00 per 13; $2.50 per 39. FRED. A. SPAULDING, Salem, N. Y.

JULIUS FRANK, 837½ Bowery, Akron, Ohio, breeds the Hamburgs exclusively. My birds are known North, South, East and West, and have shown themselves such as winners in 1896 and 1897 at Washington, Pittsburg, Cleveland and Carey. Eggs and stock for sale.

SPANISH

WHITE-FACE BLACK SPANISH a specialty for thirty-three years. One kind only, at full range; hence they are bright and eggs will hatch. Eggs, $1.00 per 13. Circular and my photo. free. JOHN BENNETT, Sunman, Ripley Co., Ind. (Mention The Feather.)

BANTAMS

SILVER SEBRIGHT BANTAMS—For sale, exhibition birds and breeders in pairs or single. Finer this year than ever. Bred from winners at World's Fair, New York and other leading shows. Write for prices and say what you want. Mention The Feather. A. C. TREICHLER, M. D., Elizabethtown, Pa.

HENRY R. MINNER, Hereford, Berks Co., Pa., breeds eleven varieties of fowls, five varieties of Bantams. Stock and eggs for sale. New catalogue for 1897 for a stamp. Write and get my prices.

GOLDEN and Silver Sebright, Black Rose Comb, Silky, White Crested White Polish, White, Black and Black Tailed Japs, Buffs, Black and White Cochin Bantams; Fantails, White, Colored, Saddles, Tails and Splashes. Write for wants. My prices are low. Stock first class. IRVIN S. MILLER, 397 Chew St., Allentown, Pa.

MAUNDER'S White Game Bantams, winners at Hamburg, N. Y., Rochester, N. Y., Erie, Pa., Toronto, Canada, Providence, R. I., Boston, Mass., East Liverpool, Ohio, Rockford, Ill., Madison Square Garden, Washington, D. C., and other places. Address FRED. MAUNDER, 33 E. Ferry St., Buffalo, N. Y.

WHITE COCHIN BANTAMS, Black Cochin Bantams, Buff Cochin Bantams—See my record at New York and Boston. No Buffs for sale until September. Only a few Blacks and Whites left. No eggs. DR. WM. Y. FOX, Taunton, Mass.

HOUDANS

WM. A. WEIS, 52 North Hancock St., Wilkes Barre, Pa., breeder of prize-winning Houdans; winning 1st and 2d on pen, 1st on cock, 1st on hen, at Wilkes Barre; 1st and 2d on pen, 1st on cock, 2d on hen at Scranton. Eggs, $2.00 per 15. Satisfaction guaranteed.

JAVAS

DANIELS' Black Javas and Rose Comb White Leghorns won at the Great Boston Show, January 26-30, 1897; also, at all the great fairs and shows in New England. Choice birds for sale. Eggs, $2.00 per 15. Circular tells all. H. B. DANIELS, 94 R. R. St., St. Johnsbury, Vt.

FANCY PIGEONS

ARCHANGELS—I breed prize-winning Archangels exclusively. Winners at nearly all the leading shows in 1895 and 1896. Two 3ds at Boston Exclusive, 24 birds competing; 1st and 3d at Louisville (Ky.) Exclusive, in the young bird class. Birds for sale at $2.50 to $25.00 each. J. H BURLEY, Shillington, Pa., Secretary of the American Archangel Club.

FOR SALE—High-class fancy pigeons—Pouters, Carriers, Barbs, Owls, Jacobins, Tumblers, Turbits, Starlings, Moorcaps, Nuns, Magpies, Helmets, Swallows, Archangels, Fantails, Ring Doves, Guinea pigs, canary birds, red birds, rabbits, fancy poultry, white rats. Address JOHN M. ORNELLAS, Box 3124, Springfield, Ill.

JACOBINS—High-class specimens at very low prices. F. A. SCHOFER, Reading, Pa.

FANCIERS, here are bargains in Tumblers—Baldheads, Saddles, Magpies and Solid Muffed Tumblers in all colors; also, Crested Whites and Yellow Rose Wings. Have a few English and African Owls, Solid Colored Turbits, Magpies, Jacobins, Swallows, Barless Blue and Silvers, White and Black Barred. Won 25 premiums on my birds at the late Wisconsin State Fair. Satisfaction guaranteed. Address, with stamp, C. F. CHAMBERLAIN, 1014 Bartlett St., Milwaukee, Wis.

BOLINE LOFTS—Theo. Warner, 324 West Baltimore Street, Baltimore, Md., breeder and importer of Blondinettes and Rosewing Tumblers. About seventy of above varieties for sale, all from imported stock.

INSIDE TUMBLERS EXCLUSIVELY—For disposal, one pair Black, Red, Yellow, Dun and Yellow Splash. All close performers and breeders. Price, $5.00 a pair. Also 1st prize cock and 1st hen at late Boston show. P. A. SCHEID, Lancaster, Pa.

CHAS. HOWLEY, 312 N. 5th St., Springfield, Ill., has for sale Carriers, Pouters, Barbs, Starlings, Morecaps, Magpies, Homers, Fantails, Tumblers, Turbits, Trumpeters, Swallows, Archangels, Jacobins, Owls. Won special prize at Springfield in January for largest and best collection.

LOOK HERE, what you can get nowadays for $17.50—5 pairs Fantails (3 pairs White, 1 pair Black, 1 Blue cock and Red hen), they are all good birds and have big tails; 2 pairs solid-color Turbits; 3 pairs Owls, and 2 Trumpeter cocks. The entire lot for $17.50, with The Feather one year free. Must be sold at once. A. BLOOM, 79 Chatham St., Rochester, N. Y.

HOMING PIGEONS

HOMING PIGEONS mated for flying or squab breeding, $1.00 and $2.00 per pair. Books on Breeding and Training, 25 cents (stamps); Money in Squabs, 20 cents; Pigeon Queries, 25 cents; Dogs, Rabbits, Cage Birds, Poultry, 10 cents each. Seamless and open aluminum leg bands, pedigree blanks and cards. Catalogues free. F. L. HOOPER, Station D, Baltimore, Md.

HOMING PIGEONS—Owing to crowded lofts, must dispose of ten pair record breeders and surplus '97 hatched youngsters from parents with records of 100 to 500 miles very reasonable. Stamp for circular. Satisfaction and pedigres given. THE SOUTHERN LOFTS, 716 21st St. N. W., Washington, D. C.

HOMERS—Youngsters for sale. Fine breeder,s with records from 100 to 535 miles. Youngsters from these breeders made for me 137.03 miles in 132 minutes. Imported and Taylor stock. Prices right. S. A. HOWLAND, Granville, N. Y.

"ROYAL RED SEAL LOFTS," F. E. Morganthaler, Proprietor, 1357 Willson Ave., Cleveland, Ohio, breeder, importer and flyer of the speediest strains of Homing pigeons exclusively. Fine 1897 catalogue, containing pedigrees of 28 pairs of breeders, sent free on application. Fine, large squab breeders for sale.

DUCKS

EGGS for sale from Bronze Turkeys, some scoring 97, $3.00 for 13; Barred Rocks from Felch's yards, $2.00 for 13; Pekin Ducks from prize-winning stock, $2.00 for 15. MRS. CHAS. JONES, Pawpaw, Ill.

RED STAR FARM, Somerset, Mass.—Eggs from our farm-raised Aylesbury, Rouen, Cayuga and Gray Call Dux, White Wyandots, Spanish and Buff Laced Polish, $1.50 per sitting. The fowls have won at Providence, Worcester and Brockton. "Have won; will win."

BLINCO POULTRY YARDS—Eggs from Barred Plymouth Rocks, Single Comb Brown Leghorns, Light and Dark Brahmas and Pekin Ducks. Stock all sold. Breeding stock has large range, insuring fertile eggs. Prices reasonable. I. E. DAVIS, Dallas, Ohio.

IMPERIAL PEKIN DUCK eggs for hatching, 10 cents each. Buff Leghorn eggs, $1 per 13. Stock for sale at all times. JOHN WIEGAND & SON, Frostburg, Md.

ORNAMENTAL

E. M. BAILEY, Albion, Ill.—Choice Peafowls; African, Egyptian, Buff, Wild, China, Toulouse and Embden Geese; Wild, White, Black, Slate, Bronze, Buff and Narragansett Turkeys; Crested White, Pekin, Wild and Rouen Ducks; chix, etc.; Poland China, Chesters, Berkshires, Yorkshires, O. T. Chesters of best quality. Stamp for reply.

MISCELLANEOUS

HOMER CITY Poultry Farm breeds choice strains of B. Langshans, B. P. Rocks, S. Laced and White Wyandots, S. C. Brown, R. C. Brown, S. C. White and Buff Leghorns, Black and White Minorcas, S. S. Hamburgs and Blue Andalusians. Some choice cocks and cockerels for sale. Eggs for hatching at $1.50 for 15; two or more sittings, $1.00 each. Orders booked now for Spring hatching. C. W. TUCK, Homer City, Pa.

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IN A GOOD POSITION to supply your different wants for hatching eggs from the cream of heavy or light weights, broilers or layers. Would greatly prefer if you could see the stock you are buying eggs from, as you would not fail to notice that all are the picture of health and beauty, and not confined in small coops and filthy pens, but have access to large, green yards and roomy houses; kept strong and vigorous with plenty of cut green bone and grit. Dark Brahmas (P. Williams'), $1.25 per 15, $2.25 per 30; Barred P. Rocks (Lambert's), $1.00 per 15, $1.75 per 30; Buff Leghorns (Arnold's), $1.00 per 15, $1.50 per 30; White Leghorns (Wycoff's), $1.00 per 15; $1.50 per 30. Incubator eggs as will accummulate from all of the above breeds, $4.00 per 100. PINE GROVE POULTRY YARDS, Lock Box 6, Pine Grove, Pa.

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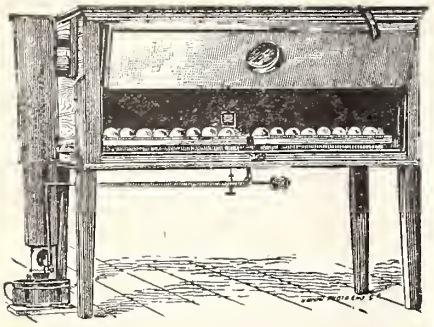
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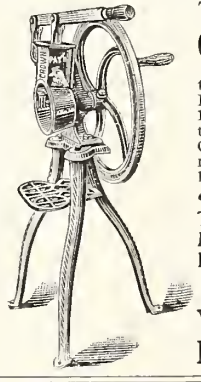
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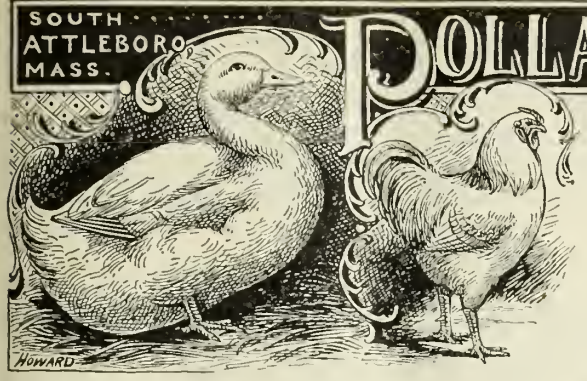
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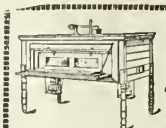
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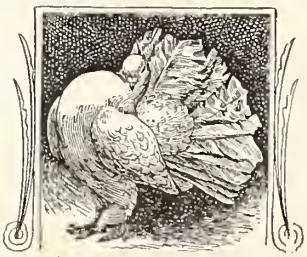
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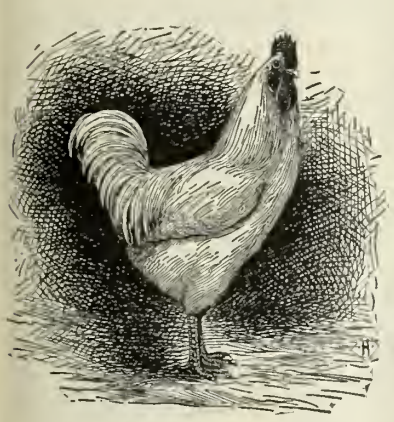
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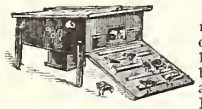
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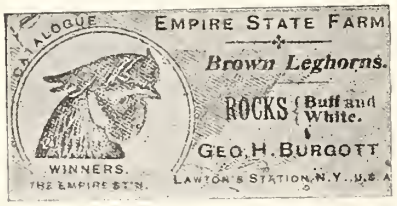
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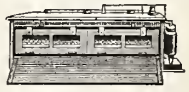
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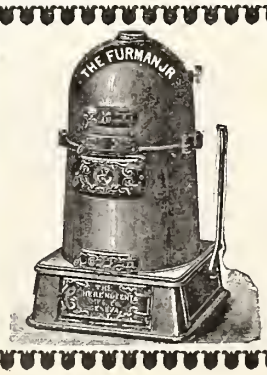
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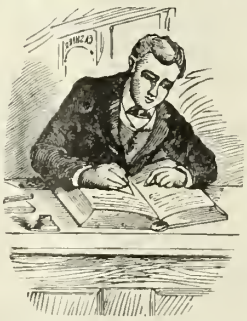
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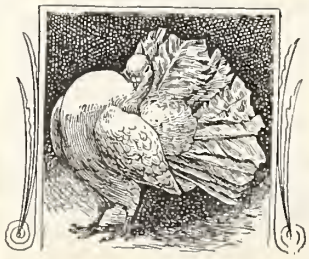
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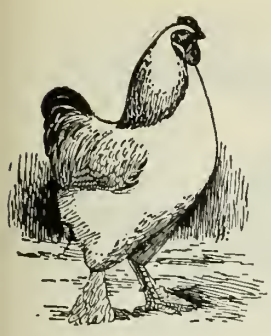
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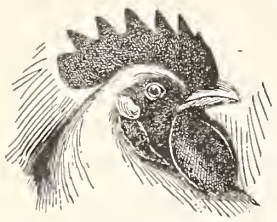
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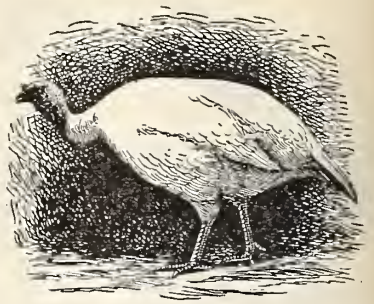
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THIS CUT

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I lead in Rose Comb Brown Leghorns, also Single Comb Brown Leghorns, both winners in New York. Barred and White Rocks (Thompson & Hawkins), Black Langshans (Dr. Robinson), White Wyandots (Duston), Buff Leghorns (Arnold), P. Ducks, Light Brahmas, Belgian Hares, Single Comb White Leghorns, Black Minorcas Northrup).

Buff eggs $1.50, all others $1.00.

12 years winning 1st in big shows. Circulars.

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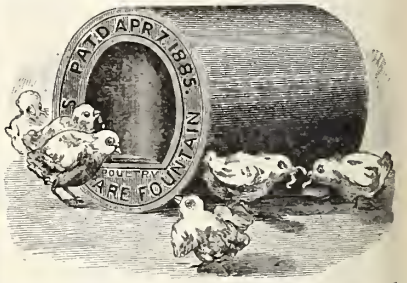
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WHITE PLYMOUTH ROCKS
WHITE WYANDOTTES



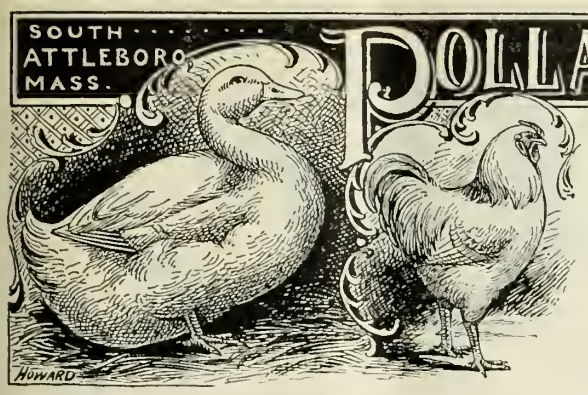
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AT Boston Dressed Poultry Show they won every first premium for best chicken, most yellow-meated chicken, best Wyandot and best broiler. Does that look like business? White P. Rocks, good as the best. Duck eggs, $2.00 for 12; $8.00 for 100. Hen eggs, $2.00 for 13; $5.00 for 39. Incubator eggs, $6.00 for 100.

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A BATTLE ROYAL.

IT takes Clear Grit for a little fellow like this to stand up to a monster like Indigestion, but it may be safely said that

ORR'S CLEAR GRIT

Can conquer the worst case of indigestion known to poultry. Put up in 100 pound sacks.

We ship Clear Grit from our agents nearest consumers, thereby saving them extra freight charges. Every bag has our name on it.

High-class fancy and utility fowls for eggs and flesh; healthy, active and pure bred.

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BARRED, BUFF, WHITE — Eggs, $1.50 per 15. Price of stock on application.

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SHAWLNECKS, PEA COMBS, CUBAN DOMINIQUES — Eggs, $1.50 per 15. A grand lot of stock for sale.

WHITE FANTAILS, ...POUTERS.... AND JACOBINS.

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We have mated up a special pen to sell eggs from this season, containing all our prize-winning birds at New York, Plainfield, N. J., and Reading, Pa. For this yard we use two cockerels (used on alternate days). At the last Great New York Show one of these headed our 4th prize breeding yard; the other won 3d (shown by Shepherd) in open class. Satisfaction guaranteed.

EGGS $3.00 per 13. $5.00 per 26. | Pekin Duck Eggs, $4.00 per 100. BROOKDALE FARM, L. S. Bache, Prop. Lock Box 62, Bound Brook, N. J.

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Single Combed White and Brown Leghorns, Barred Plymouth Rocks and Silver Spangled Hamburgs.

Some birds scoring as high as 97 points.

Eggs for hatching, 2.00 per setting of 15; 3 settings for $5.00. Stock for sale at all times.

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Breeders of Bearded Golden Polish, Buff Laced Polish, White Crested Black Polish, Bearded Silver Polish, White Crested White Polish, White Wyandots, Black Minorcas, White Leghorns, Golden and Silver Sebright Bantams.

From forty-one birds entered at the Washington Show, 1897, forty birds were prize winners. These birds are all now in our breeding yards. No finer stock in the United States. Eggs, $3.00 per setting 13 eggs. Stock for sale November 1st. Address all correspondence to

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FINEST in HOUDANS, HAMBURGS, LEGHORNS, PLYMOUTH ROCKS LANGSHANS, BRAHMAS and WYANDOTS, including

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Eggs, $2.00 and $3.00 per set. Birds for sale. Fertile eggs guaranteed.

Exportations—Have had orders from England, Scotland, Venezuela, Cuba, Nova Scotia, Newfoundland, Prince Edward's Isle, Vancouver, Winnipeg, Canada, Mexico and every State and Territory in this Union. Also dealer in Fine Dogs, etc.—Fox Terriers, Beagles, Ferrets—and

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Wick. B. Hathaway, Manager, Madison, Lake County, Ohio.

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The H-O Co.'s POULTRY FEED



NOTHING BUT GRAIN

A TALE TOLD IN TWO LETTERS

FROM "THE FEATHER," MAY, 1897

AN EGG RECORD

Editor The Feather:

I enclose you an egg record of my Black Minorcas for thirty days from April 7th to May 6th. From ninety-four hens I got 1,881 eggs, averaging twenty and one fourth eggs per hen. I hardly think this record has ever been beaten. One dozen of the eggs taken at random weighed twenty-eight and one-half ounces.

Yours sincerely,

BEL AIR, Md. P. H. MCCORMICK.

FROM OUR LETTER FILES

BEL AIR, Md., May 5, 1897.

The H-O Company:

GENTLEMEN:—I have used your Poultry Feed with great success in the egg production, also with young chicks, which are now six weeks old and larger than any other chicks I have ever raised on any other feed at two and a half months old.

Yours truly,

P. H. MCCORMICK.

Is it unreasonable to suppose that the **Feed** mentioned in the second letter, had something to do with the egg **production** mentioned in the first?

The H-O Co.'s Poultry Feed Is a Winner

THE H-O COMPANY, 71-73 Park Place, New York City

The Feather

A National Journal Devoted to Poultry, Pigeons, Birds, Etc.

VOL. II. NO. 9. WASHINGTON, D. C., JUNE, 1897. FIVE CENTS.

THE POLISH FOWL.

Past and Present History of this Ornamental Fowl Briefly Told.

BY T. F. MCGREW.

MOWBRAY tells us that the Poland fowl, as called in early days, came from Holland. He writes of them as follows: "Their color shining black with white tops on the head of both male and female; their form plump and deep and the legs of the best specimens not too long. They are one of the most useful varieties; particularly on account of the abundance of eggs they lay, being least inclined to sit of any other breed, hence they are sometimes called "Everlasting Layers." They fatten as quickly as any breed and are in quality similar to the Dorking."

He also tells us that besides the Polands there is a small variety imported from Holland called "Every-day Hens," which are everlasting layers. (This refers to the Hamburg.)

The next best authority, Messrs. Wingfield and Johnson, write as follows:

"The principal characteristic of the Polish fowl is the large top-knot, so conspicuous a feature in all its varieties. Thus far all agreed, but adverse opinions are presented as to their combs. A small spiked comb resembling the horns of a crescent has been usually regarded as another distinctive feature of these birds, while others hold the opinion that this denotes impurity. The fowl thus assuming the name Polish has been termed the 'Tufted Hamburg.'"

Mr. Brent was one of the earliest to give special attention to the "Old Poles," described as a larger bird than our present Polish. Those mentioned at this early day were Blacks with white crests, Yellows and Whites with black crests. The latter, now extinct, are described as follows: "The writer tells us that the last good specimen seen by himself was at St. Otner, France. It was a hen, larger in size than the Malays; her color, white and a large black top-knot; her bill and feet, dark slate-color; shape, plump and round. Where these fowls came from no one can tell, further than to say they were well known to the people of the Southern countries, even in Mexico and Chili of South America."

By some 'tis claimed that the large white fowl with the black crest was the original Polish, but the larger number of early writers mention the White-crested Black as the original, and, in fact, many of them mention them only, proving that in the early days they were the most abundant. We should cast our opinion with those who called them "Tufted Hamburg," for the reason they have the same colors, much the same form and habits, and the color of beak and legs much the same. These facts would indicate a common origin, and for this reason we should say their original home must have been the land of the Sultan.

A good Polish fowl of to-day must have a perfect crest. This can only rest upon a well-formed head and skull, the knob of which must be large in size and perfect in shape, or the crest will not have the proper form. The first to give careful study to the head formation was Mr. Tegetmeier, who read a paper before the London Zoological Society, and who published the lecture and illustrated the same with engravings of head formations, which accurately showed in detail the knob on the skull.

In describing the Polish fowl of early day, Messrs. Wingfield and Johnson say as follows:

"We must separate the White-crested Black from the other varieties; same in form and general appearance, a wide difference between them is at once apparent; some features, however, are common to both. The skull in both sexes is distinguished by a peculiar elevation. At its base there usually appears the small spiked comb, which at its broadest part should never exceed an inch, and in height it should be much less. From its form and position it has been well compared to the crescent that decorates the Turkish turban. In many of the finest specimens, however, there is no appearance of the spike, but simply a small red mark of comb-like substance at the base of the bill."



PAIR BEARDED GOLDEN POLISH.

Thus we find the records from 1816 to 1853 describe a Polish fowl with crest, spike or V-comb, blue legs and the beard. These early writers mention the following varieties: White-crested Blacks; Black-crested Whites; Golden, bearded and unbearded; Silver, bearded and unbearded; Cuckoo, bearded; Gray or Grizzled, bearded; Black and White Speckled, unbearded; Blue, with white top knots, unbearded; Yellow Spangled, bearded; Black-crested Blacks, bearded; pure Whites, bearded. Of these thirteen varieties, six were bearded and seven were unbearded. Of these features we find these early writers tell us as follows: "Some claim that the muffeties, or bearded, are impure; others claim the opposite. The Birmingham authorities in 1852 divided the bearded and unbearded into separate classes when shown and left it to the public to say which was the proper form. As to this, Mr. Baker, of Chelsea, stated that in the south of France prior to 1852, where the Polish were highly prized and far superior to those bred at that time in England, the bearded were far superior to the unbearded and prized more highly. He also stated that early in the thirties there was a club at Ringolane which paid special attention to these points, and a well-developed beard was of as much value as a good crest. These facts as to comb and beard are so plainly set forth at this time that no one can doubt the early existence of these features in Polish fowls."

No doubt many of the varieties mentioned were offshoots from the regular colors produced from crosses, without the ability to reproduce to any uniformity.

The Golden Polish of early days had a deep black beard and a chestnut-red crest, with a clear ochre-yellow ground color for the body, spangled with black, and dark brown sickle feathers with dark yellow coverts; quite a contrast to our present standard varieties.

Our Standard describes eight varieties; four bearded and four unbearded.

Of these, let us first consider the White-crested Black variety.

The White-crested Black Polish is one of our very oldest fowls. Its history, as a variety, extends back of the present century, and to-day we only have it in an improved form of its early self. The hardest points in its breeding are to keep the colors separated and just where they belong, for almost always you will find white in the flights of a specimen of fine rich color and large white crest. This fault must disqualify, and thus many of the finest specimens are unfit for exhibition, and being largely a fancy fowl these faults discard them for any use, for a disqualified specimen is more than disgraced; they are a dishonor to the owner. This color line as drawn on this variety has almost pushed them out of sight. If continued they will some day be lost to the world, as the Black-crested Whites are to-day.

The most important features of this variety are rich glossy black color throughout, with a pure white crest, as free from black as possible. The larger the crest the better, provided it is true in shape, even in form, and free from any broken places or splits in the feathers. In form, the crest of the cock should flow to each side of the head and to the rear in a full even sweep. The feathers of the crest should be quite like those of the hackle in form and texture; the longer and more flowing the better. The crest of the male of the White-crested variety seems to be more flexible and shapely than the others. This is partly accounted for in the quality of the feathers that form their crest. The crest of the female should be large, round and full, very even upon the head, no tendency to lop to either side; the larger the better, if of proper form. It should be composed of feathers in form like those of her back, and the truer to color as required for the variety the better. A long, full, heavy crest, if free from breaks or defects of any kind, is the most desirable.

The presence of wattles on the unbearded, and the absence of same on the bearded, is a point of considerable difference. The ear-lobes of all should be white. These points cover the head qualities of all varieties.

Wry tails and crooked backs seem to trouble these varieties considerably, and should be guarded against in breeding stock. Never use one for breeding with the least inclination towards these defects.

The Golden Polish, whether bearded or not, should be of a true, pure golden-bay color, evenly marked with black. Whether spangled or laced, the markings should be very even and true and so proportioned as to give a perfectly uniform marking all over the body. When so marked, if free from all mossy appearance, it makes a beautiful and showy fowl. The tail and wings of the male are very important points. A well-defined wing-bar adds much to the appearance of the bird. A poorly-barred wing should almost disqualify. So with the tail; when large, full and handsomely formed it is a most beautiful part of the bird, but when badly formed and curved it detracts much from the symmetry of the specimen. The lack of wing-bar is not so often seen on the female. It is usually more perfect on them. But when present, the specimen should be discarded as a breeder. The formation of the body of all Polish birds should have careful attention. Study well the Standard on these points, for they count much on show specimens. The above applies as well to the Silver as to the Golden, only the ground color of the Silver should be clear silvery-white, as free from all impurities of color as possible.

The proper handling of the Polish demands considerable care and attention. From the time of their hatching till fully matured and ready for the exhibition or breeding pen they must be continually watched. Some two years ago Mr. F. L. Sewell wrote a most interesting article on Polish fowls, part of which is given below:



WHITE-CRESTED BLACK POLISH COCK.

"Among the most persistent layers and the most ornamental of fowls can be counted the Polish—a very old race—to which the Dutch have probably paid most attention.

"The White-crested Black is said to have been originated by the Hollanders, and for a long time a strain of Black-crested White fowls was carefully preserved by a number of Dutch fanciers, but the expense and the difficulties of retaining such a contrary plumage proved too discouraging to keep it up. We have of late heard no more of effort to breed it to this combination of color.

"The White-crested Black, although lacking in the beard and muffs of the true Polish, is unusually striking, with such a contrast as the white crest and jet-black body presents. It has been a favorite in America for many years, and is likely to be valued higher as it becomes better known and understood.

"The plumage of the White-crested Black is more delicate in texture than that of the bearded races, and the crest falls closer to the neck, giving it shape of crest peculiarly its own. It is fuller in the top and dropping straighter at the sides than in the race of laced or Whites.

"The Buff-laced and the White are both bearded. So are the Silver and Golden-laced. These last four varieties are larger and coarser in body and plumage than is the White-crested Black. The pure White Polish is a truly fine-looking fowl in the show pen, although its beauty is not seen at its best until upon the green lawn. Then the bird shows off exquisitely.

"The Buff-laced, with many fanciers, divided honors in richness of plumage with the Golden—one is of soft buff with white lacing, the other of fiery golden, laced with black—and each has its peculiar charm that demands admiration. The largest crests that we ever saw were developed on the Silver-laced variety, and we believe they are capable of carrying the greatest abundance of feathers in this section. The largest crest we know of measured fourteen inches from side tip to opposite tip, when held out, and was as large as a derby hat when fallen about the bird's face. This specimen was shown at New York in 1892.

"The beautiful open lacing of the best Polish of to-day are scarcely equalled by any other breed in clear lining and pure centers, and for strength of color a Golden cockerel we saw last Winter was truly a wonder.

"As the crest of the Polish is its great point of beauty, so also is it the greatest annoyance to those who do not understand its proper handling. The crest must be kept out of the water. More sickness comes to the Polish through neglect of this than from any other cause. In fact, the only sick crested birds we ever had were ailing from cold in the head, on account of being compelled to be in a draft after their heads had become wet. They should have access to dry shelter in all weather, and in rainy seasons they are better not out at all, except under covered runs. The Polish are not fowl to do well rustling for themselves over the farm. * * * The Polish will most please those who love to gratify a fancy for extreme development of the unusual oddities of the poultry yard. Really good Polish are rare, and it is only those that are crowded full of good plumage and character, that will be prized in the best exhibitions by critics and those in search of the extraordinary. They are among the races which require the most artful handling to develop well. * * *

"An idea of how these birds' crests were protected for their journey to the show may be of interest. The crest is drawn up above the head and tied with strong, soft thread, passing the thread through the crest several times with a needle, so the tie cannot slip off or get out of place. This will protect the crest from being mussed and broken, and will also enable the bird to see its food."

When writing our advertisers always mention THE FEATHER.

Black Minorcas.

As the amateur or well-versed fancier gazes on the feathered bipeds of our rich nation, what is it that attracts his attention? Is it the beauty contained in the objects visible? As the fancier passes down the line of the grand American productions, of which our fanciers may feel justly proud, he cannot help admiring that which old England has worked on for years and then given to American fanciers their best productions, namely, the now famous Black Minorca, which is one of the proudest, most majestic birds in our poultry yards to-day. With their beauty and stately appearance utility is combined, they being one of the largest egg producers. They not only lay a large number of eggs annually, but produce the largest single-yolk, richly-flavored egg of any fowl that struts on American soil. Being strictly non-sitters, they make, in my opinion, a bird not only to be admired, but to be coveted and cared for as a man would care for his dollars, for when they are given proper attention dollars will be the reward.

The Minorca is the largest of the Mediterranean Class and derived its name from the Isle of Minorca, the most eastern of the Balearic Isles. The exact origin of the Minorca is not known. It is thought by some to have originated from the White-faced Black Spanish, while by others that the Spanish came from it, which seems to me more probable. Those who have bred the Minorca know how easy it is to get a large white lobe and considerable white in the face by mating these white-faced birds together. How long will it be before you will have a full white-faced bird, and in symmetry differing but little from the Spanish of to-day? In almost every country bordering on the Mediterranean were found birds of the Minorca type, but resembling the Leghorn in symmetry; but those who have handed their history down claim those on the Balearic Isle were much larger.

England received its first importations in the early part of the nineteenth century by sailors trading between the Balearic Isles and England. They were at that time in three varieties, Blue, Black and White, and much coarser than our productions of to-day. The comb was then divided, one division lopping on each side of the head. They soon became known as egg producers, and it was not long before they were entered in the shows, but it was not until about 1875 that they were shown in any numbers. They then got their first boom and sprang into popularity. They were first brought to this country about 1885, and until 1890 were not in much demand, but as experience is a grand teacher and our American people soon grasp at a good thing, they were soon taken up by breeders throughout our land and to-day we, as a nation, possess birds grand in shape, size and color. The thought of egg production has never been lost sight of, and now we can boast of as grand a laying strain of Minorcas as the world produces. They are fowls that draw near the perfection mark.

The Minorca male should, in my opinion, appear as follows: Beak should be long and have a gentle curve, and very dark in color. The head should be deep and broad enough to carry a well-balanced comb. The comb is one of the principal parts of the head. It should be large, evenly and deeply serrated, having five or six spikes; the size and shape of these spikes is a very important point. I consider that they should be in length equal to the blade of the comb and of a wedge shape, not being flat, but terminating in a well-defined and rounded spike. The comb should sit square on the head, free from indentations, commonly called thumb marks, twists or side spikes, extending well down the neck, but carried high enough from the feathers so as not to touch them. The wattles should be well rounded at the bottom, both even and not terminating at a point at the bottom closest to the body. The comb and wattles should at all times be a bright coral red, free from white in face and not of a beafy appearance. The ear-lobes should be almond-shape, medium in size, a trifle larger than a Leghorn's, pure white, smooth and fitting close to the neck. The eye should be bright and clear and of a dark color. Neck long and well arched, with a full-flowing hackle. The body should be of good length, deep, and most important of the three, very broad. The wings should be well folded and carried close to the body. Tail, large and carried so that the greater sickles form a right angle at the base. The back should be straight and long. I do not admire a Leghorn back on a Minorca male. The legs should be long, rather than short, which would take from the bird a large percentage of beauty; stout in bone and the thighs should show a curved outline; the darker the shanks the better. Toes, straight and dark to the bottom. This description will show a bird which would weigh from eight to nine pounds, having a plumage of solid purple-black with a greenish sheen, not plum-color, as is often seen. Having as a base for undercolor a beautiful slate cast, not brown as the majority of Black Minorcas have. This plumage should be free from gray tips or white feathers after the first molt. The female is in body shape a *fac simile* of the male, and differs from him only in fineness, possessing a more delicate appearance, similar to woman compared to man. The female's comb should be thin and evenly serrated, lopping over the eye either right or left, and not falling forward so as to obscure the sight of either eye.

The Minorca is a gentle bird, easily confined, and during confinement thrives equal to any other bird, but when set at liberty is a grand forager and will find a large per cent. of its sustenance. The flesh is white and exquisitely fine in flavor, not coarse in grain, and usually brings a good price in market. I have bred Minorcas now for five years and I know well their worth. I am well conversant with their habits and I am perfectly safe in saying that a flock of Black Minorcas would gladden the eyes of anyone who is a lover of beauty.

S. CHAMPION.

A Word for the Polish.

Editor The Feather:

I beg for a word in your Polish number. For the past sixteen years I have been happy in the possession of White Polish, and for some time before that envied H. T. Sperry, of Hartford. In the purchase of a farm at Stamford, Conn., some fine Polish hens were a part of the stock and W. H. Underwood sent me a fair male for $3.00. Every few years since I have introduced new blood, for inbreeding is fatal to success. Last year I bred from four birds, every one unrelated. I raised every chick that came from the nest. The Polish pullets and hens began to lay at Christmas and as is well known lay well in Summer and early Fall. Their carcass for table is all that could be desired, being full of meat, not of waste; the flavor is fine, not strong and disagreeable like that of large fowls. My grandfather, a practical farmer, was pleased with the Polish and wondered over their every-day laying capacity. The eggs are above average size. Let us urge having fowls around that are not ugly, but beautiful. It is just as well to fill the eyes with pleasure as the stomach with food. The Polish are tame, almost friendly; their voices are chatty and agreeable. Try them, readers; give them half a chance and they will make you put the ugly mongrel American breeds out of the way.

ELBERT WAKEMAN.

Mill Neck, L. I., N. Y.

Going to Build.

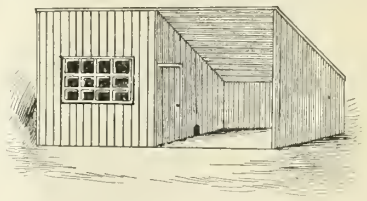
Editor The Feather:

I am going to build a poultry house for about fifty hens in the Summer. Can you tell me whether the roof ought to slant toward the front or the back, and also how much window is required? Can you recommend a good poultry house plan for level ground? If you can, I will be very much obliged. I have just commenced to take your paper, THE FEATHER, and think it is the best of any.

Yours Truly,

Norwalk, Conn. JOHN P. TREADWELL, JR.

[The roof should slant toward the back. About one-fourth of the front is sufficient for windows; too much glass



POULTRY HOUSE.

is to be avoided. A good plan for a poultry house is shown in cut. It is a simple house with shed roof, and has covered scratching pen attached. The size of the house should be about twenty feet square and scratching pen about ten by twenty feet. One large sash is shown in front. Such a house will do well for level ground, but the floors of both house and pen should be raised from six to twelve inches from the ground. Cover the floors with three inches of dry earth.—ED.]

To Make Them Sit.

As this is the time of the year that many breeders and those wishing to improve their stock are buying settings of eggs, I will give a pointer to some that may not be aware of the fact that the turkey hen can be made to sit at will. Those who have bought high-priced eggs, probably from long distances, have often had the uneasy feeling that none of the biddies would go to sitting just at the proper time. You do not care to risk these eggs in your incubator and often have to wait until biddie makes up her mind to sit; in the meantime you are fearful that your high-priced eggs will be too stale to set. By the use of the turkey hen all this anxiety is obviated and in the simplest manner.

Place a turkey hen in a slat box, make a good nest, place china nest eggs in the nest and fasten her up. In two days she will settle down to work. On the third day withdraw the nest eggs and place the eggs for hatching in their place. After the first week remove the slats so she can come off her nest at will; she will return after having fed and watered. This method I have tried and know from actual experience that it is practical.

G. M. BASTABLE.

A Novel Plant.

One of the most unique as well as interesting poultry and pet stock plants is that of Mr. Wm. E. Gwyer, of Cornwall-on-Hudson, N. Y. A splendid illustration of the plant is herewith shown. The idea is original with Mr. Gwyer, who is a fancier in every sense and meaning of the word. It is only a couple or three months ago when Mr. Gwyer told the writer that he was going to build a new "chicken coop" and asked for his views. The plans of a house were drawn up and in a short time the house was completed. The house is sixty feet long by seventeen feet wide, with a walk four feet wide the entire length. This is divided into four sections; each section has a roosting place and an open shed which enables the fowls to have a good working place when the snow is on the ground. Each run is fifteen feet wide by fifty feet long, all enclosed by two-inch wire netting top and sides. The house is well built every way and is an attractive addition to the place.

Now comes the cage, of which Mr. Gwyer is sole patentee, and a more unique cage or house could not be thought of. People drive for miles to look at it.

The cage is thirty feet high, seventeen feet square, completely covered by one-inch wire netting, sides, ends and top. This netting also extends two feet in the ground. The frame is galvanized iron pipe of three-fourths-inch size. The legs of the cage are set thirty-two inches in the ground in eight-inch tile pipe; inside of pipe is concreted, making it firm as a rock.

To look at it one would imagine it was easy to construct, but that was not the case, as we know Mr. Gwyer had many obstacles to overcome which required much thought. Being in the dead of Winter when it was built made it all the harder to have everything work to the best advantage.

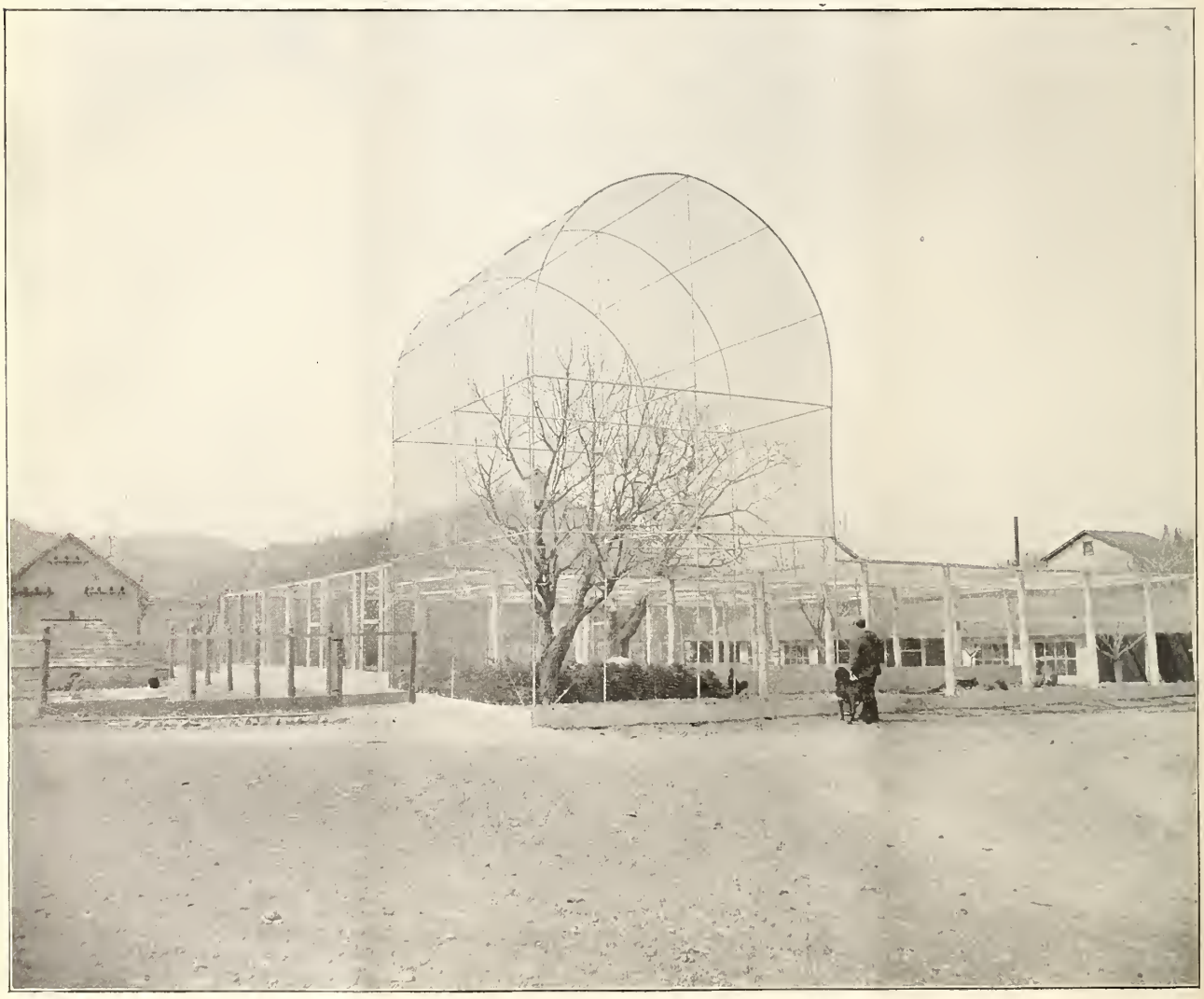
As will be seen, there is a large cherry tree in the center of the cage for the birds, squirrels, etc., to sport themselves in. The whole original idea was carried out and to-day it stands completed, with satisfaction to Mr. Gwyer and pleasure to all who may be fortunate enough to see it.

The occupants of the cage are many and vastly different, from the stately Peacock to the quick little Guinea Pig. According to the last census taken, April 27th, the inhabitants are as follows: Peafowls, Guinea Pigs, Belgian Hares, Quails (if you will observe in the cage you will notice some cedar trees which were placed there for the Quail to hide and nest in), Pheasants, Black-tailed Japanese Bantams, Cornish Indian Games, gray squirrels (observe nest-boxes in tree), White Fantail Pigeons, Inside Tumbler Pigeons, Jacobins, Guinea fowls and a multitude of song birds, among which are Virginia Nightingales, Scarlet Tanager, Robins, Cardinal Grosbeaks, Mockingbirds, Red Cardinals, imported Chaffinches and Bullfinches, domestic Catbirds and many others.

In the house can be found of the finest quality the following varieties: White Wyandots, Bronze Turkeys, Buff Cochin Bantams, White-faced Black Spanish, Ring-neck Doves, Houdans, Black-breasted Red Game Bantams, Red Pyle Game Bantams, Barred Plymouth Rocks, Pekin Ducks, Toulouse Geese and over seventy-five fine Homing Pigeons. Some of these varieties are kept in his old poultry house, and last, but not least, cats. Mr. Gwyer has a patent that he will not divulge on raising a "non-killing-chicken" cat. For generations of cats they have lived with his poultry, never harming a chick nor an egg. They are a marvelous breed. Mr. Gwyer is a thorough fancier for the fancy's sake and only in it for the pleasure he can derive, but we are in hopes that some day he will send some of his stock to our shows and make it hot for the boys.

D. Lincoln Orr.

Orr's Mills, N. Y.



VIEW OF MR. GWYER'S NOVEL PLANT.



GEORGE G. HARLEY.

A Bill of Fare.

Editor The Feather:

I will tell you how we get eggs in cold weather, when eggs are scarce and bring good prices. In the morning we feed a mash of equal parts of vegetables, corn, oats, bran and green cut bone. This mash is steamed and fed warm. Give the birds a light breakfast. At noon feed a good allowance of steamed oats. At night, just before they go to roost, give them all they will eat of equal parts of wheat and oats. In the early morning and in the afternoon give them warm water to drink. Always have grit before them. I have tried this ration for years and have found it to be just the thing to make hens lay in Winter.

As you know, when I came to Long View we were only getting three eggs from 300 hens. This was last November; the third week after using the above ration I began keeping an account of the eggs laid, and give it below for the benefit of your readers. It is as follows:

Week ending December	11,	eggs laid.	.....	100
" "	18,	"	.....	148
" "	25,	"	.....	201
" January	1,	"	.....	237
" "	8,	"	.....	265
" "	15,	"	.....	335
" "	22,	"	.....	235
" "	29,	"	.....	288
" February	5,	"	.....	282
" "	12,	"	.....	322
" "	19,	"	.....	584
" "	26,	"	.....	713
" March	5,	"	.....	803
" "	12,	"	.....	987
" "	19,	"	.....	1095
" "	26,	"	.....	1130
" April	2,	"	.....	1149
" "	9,	"	.....	1050
" "	16,	"	.....	864
" "	23,	"	.....	733

This is an exact record of the eggs laid by our birds fed on the above ration, and I hope it will prove of some benefit to all who read it.

Yours Truly,

Hyattsville, Md. GEORGE G. HARLEY.

He Will Judge.

Mr. D. J. Lambert, Apponaug, R. I., has been appointed one of the judges at the coming Charlotte (N. C.) show.

Essentials of Success.

To make a success of poultry raising we must have fertile eggs. Now, what does that mean? Fertile means fruitful, abundant, plenteous, prolific, productive. So it seems to me fertile eggs are the one thing needful for success. Now, how are we to get them? By neglecting our breeding stock? No. We must do everything we can to improve it. First, we must have strong, healthy stock to begin with or we must bring them up to that standard before we can have success. How shall we do it? I should say the first thing to do when they get out of their babyhood would be to give them good night accommodations so they will not be crowded; for the day free range on the grass, and follow the same treatment through life. I like the scratching shed house for Winter or Summer. I don't think there is any need of my giving a description of this kind of a house, for most all the poultry papers have given us a very good description of them. No long houses with yards for breeding stock for me. I don't want any one to think for a minute that the little fellows should be neglected when they are babies. They must have good warm quarters, not too warm; also good feed. I shall have to leave the brooder and feed for young chicks for some other time, as I want to say something about inbreeding. I do not think we can have strong, healthy stock that will give us fertile eggs if we inbreed, for I do not see why the results will not be the same in our hens as in the human family. When cousin marries cousin it weakens the offspring, and when brother marries sister, if it were so, I should think it would weaken the offspring still more. I do not see what difference it makes in the result, man or hen. If we cannot get the fine feathers without inbreeding, I should say sacrifice the feathers and have good, nice poultry for market, for good poultry brings more money than poor, and that is what we want, or at least what most poultrymen want. There is the feed to be thought of, yet we should look over our grounds very carefully and see what there is lacking in the make-up of the soil we are using for the birds. What is lacking we must supply in some other way. In my opinion we must be very careful and not force the egg production too much if we want fertile eggs. I had rather have fertile eggs if I do not get quite so many of them. H. T. OTIS.

Poultry Shows.

While a great deal has been written on above subject, yet many points are still worthy of mention. It is a fact that the fancier is dependent on the shows a great deal, whence he secures the greater part of his trade. It is important in what manner a show is conducted to do the greatest good to the greatest number. As far as consistent have the birds in the show room in time for the show, but it is a bad practice to hold birds over time more than absolutely necessary. To hold a successful show, in all cases it should be the most important point to have a building large enough and well lighted and well ventilated. It is not always possible to do so, for I have an idea of what a laborious task the officers have to undergo to hold a successful show. The coops should be of the proper size and attractively displayed. Same should be true of eggs and dressed poultry exhibits, also incubators, brooders, bone cutters, clover cutters, poultry feeds, grits, shells and condition powders. Poultry literature, etc., should be properly classed in prominent places. Officers should aim to have the service of a judge or judges who will do their work justly and get through with the work at the proper time, which should be the second day of the exhibition.

While I am not particularly interested in this branch of the business, I cannot let above subject pass without a slight airing. Exhibitors should show their stock at their best, if they would be successful, thus adding to the attractiveness of the show. As in my part of the business I breed fowls more for business than strictly fancy points, the expert fanciers will probably leave what I have written pretty badly behind.

Homer City, Pa. W. C. JOHNSON.

National Bantam Association.

To the Poultry Associations in America:

At the last annual meeting of the National Bantam Association, held at Madison Square Garden, New York City, on January 1, 1897, the members were much disturbed because of the failure of many of our poultry associations to furnish the same adequate facilities for showing bantams that are granted to all varieties of large fowls.

No feeling of hostility toward any association was expressed, but, on the contrary, a friendly relationship was manifested toward all fanciers. After a careful discussion of the subject, it was the opinion of the members that the rule in vogue with some of our poultry associations, whereby bantam exhibitors are compelled to pay a uniform entry fee, and in addition be obliged to furnish their own show cages, is an injustice to those who are willing to assist associations in their attempt to make successful an exhibition of poultry and pigeons.

The secretary was requested to communicate the wishes of the National Bantam Association to the several societies throughout the country, urging them to adopt a uniform plan that will be mutually beneficial.

To this end, therefore, we would respectfully tender this circular letter, with the earnest desire that your association will consider the subject, with a view of abolishing a rule too prevalent and so unfair, and which, if permitted to continue and receive encouragement, will in our judgment work seriously to the disadvantage of those who give their time and attention to the show room (to say nothing of the fanciers who breed the bantams).

We shall be highly gratified to receive from your association an indication that you will do all in your power to further the interests of those who show bantams. I am,

Very Respectfully Yours,

E. LATHAM, Sec'y.

A New Association.

The Washington (N. J.) Poultry and Pigeon Association was organized March 15, 1897, with twenty members. The association plans to hold a show in the near future. The following officers were elected for the ensuing year: President, L. H. Bowlby; first vice-president, Chas. Nixon; second vice-president, Joseph Vorhees; secretary, Walter Cox; assistant secretary, Wm. H. Cyphers; treasurer, C. E. Vass; superintendent, Elmer C. Slater; directors, G. W. Scribner, Lemuel W. Gardner, John Spangenberg.

"And the Cat Came Back."

Our esteemed contemporary, the *Country Gentleman*, is not yet satisfied. It returns to the subject of the Government bulletin on the "Standard Varieties of Chickens" in its issue of May 27, 1897—not in its own language, it is true, but by reprinting a correspondent's letter which agrees with the editor's views. As the attitude of the paper mentioned, toward this effort of the Bureau of Animal Industry to give the poultry industry its powerful assistance, is a great puzzle to many of our friends engaged in the "chicken" business, we reproduce our critic's text and illustration.

While upon this subject, we reproduce the Langshan illustration which so greatly offended this fastidious critic. The first figure shows the illustration as it appeared in the bulletin. As the hen was there represented in the act of walking and therefore not in the usual pose of fowls when they have their pictures made, the figure has been redrawn and placed in the accepted attitude in Fig. 2 without in any way changing its proportions. By the side of this we reproduce in Fig. 3 a Langshan hen of Sewall's. We think the reader will see about as much resemblance in these two birds as in the two Black Spanish males.





That Government "Chicken" Bulletin Again.

Our recent criticism of "Farmers' Bulletin, No. 51," issued by the national Department of Agriculture under the title "Standard Varieties of Chickens," has elicited the following letter from Mr. H. D. Kendall, of Middlesex County, Mass.:

"Referring to the cuts of poultry reproduced in the *Country Gentleman* of April 29th, and your well-deserved criticism of the same, it may interest you to see proof that they lack even the merit of originality. At first glance I was convinced that the cut of Black Spanish cock had appeared originally in the *Poultry World*, and had been frequently repeated therein, as was the habit of that defunct magazine. I send by same mail a copy, on page 87 of which you will find the cut in reference, and I find the same to occur several times in the files for various years of this paper."

We reproduce both pictures above. The first is from the *Poultry World*, Hartford, Conn., issue of May, 1892, p. 87. The second is from the Department of Agriculture bulletin above named, published this present Spring.—*Country Gentleman*, May 27, 1897.

Both the correspondent and the editor of the *Country Gentleman* must have very defective eyesight if they can see no difference in these two birds. Look at the combs, the backs and the general shape in these illustrations and note how the outlines vary. It is true that the subjects are treated very much the same in the two drawings, but that is simply because this is the most effective method of bringing out the points of that particular breed. We do not know how much the poultry editor of the *Country Gentleman* expects males of the same variety of chickens to vary from each other. If he would stop growling about what others are trying to do for the poultry industry and do something himself, he might contribute an illustration of this valuable breed which would prove interesting if not instructive. Judging by the Leghorn cuts which we reproduced from his paper last month there will be no one to question the originality of his artistic work. The tail-feathers of our bird are slightly longer, but the drawing is from the photograph of a splendid bird and in this respect is true to nature. We do not accuse Mr. Sewall of copying from our drawing in any respect; indeed, we believe his drawing was made before ours, though we had not seen his at the time ours was made. The comparison is made simply to show the animus of the *Country Gentleman* in criticising our bird, and to illustrate the resemblance which must necessarily exist between cuts of the same variety of birds, when these are bred as uniform as is the practice among our good breeders of the present day.

The editor of THE FEATHER undertook the preparation of the bulletin on the "Standard Varieties of Chickens" because he believed sincerely that the Government should do something for the poultry industry as well as for the breeders of other kinds of animals. The opportunity was presented to him and he felt in duty bound to accept the task. He did as well as he possibly could in the limited time allowed. If anyone can prepare a more acceptable pamphlet on the subject he will rejoice at their success. In the meantime he is glad to be able to announce that the bulletin is meeting with the most flattering success. Not only has it been republished in full with the illustrations by many newspapers and agricultural journals, but several hundred thousand copies have already been applied for.

Better than all, it is awakening an interest in poultry matters such as has not before been manifested in years. A firm of exporters doing business with the countries south of us has translated the bulletin into Spanish and will scatter it over Central and South America with a view of showing the kind of birds bred here and of building up a market for them. Another large firm has become enthusiastic and is making arrangements to ship great quantities of poultry and eggs by refrigerator methods from our Western States to Great Britain. The project is a perfectly feasible one and will no doubt yield a handsome profit and afford an unlimited outlet for poultry products.

Our own people are also waking up to the possibilities afforded by poultry culture. Hundreds, if not thousands, of letters have been received by the Agricultural Department and by the editor mentioning the bulletin and inquiring as to where birds and eggs of some of the varieties mentioned therein could be purchased.

All of these things convince us that no mistake was made by the Bureau of Animal Industry in publishing this report. It has given a new impulse to the poultry business. It is a step in the right direction and those engaged in poultry raising will not object to a few more of the same kind. If the *Country Gentleman* will do a little less of "the dog-in-the-manger act," and instead of obstructing those who try to do something, and occupying itself in tearing their work to pieces, will take hold and assist in the good work, it, also, may become of some use to the world. Its present course is unworthy of a journal of its age and influence and especially unworthy of the broad and liberal policy adopted by its honored founder.

Expressions of the Press.

The favorable comments on Farmers' Bulletin, No. 51, have been very marked. Some of the foremost breeders and fanciers have personally congratulated the author on the work, and express the belief that the poultry industry will be greatly benefited by its distribution.

The *American Fancier* says: "It should be of some substantial service to the tillers of the soil."

The *Indiana Farmer* is of the opinion that "the Bulletin is exceedingly valuable and a grand treat for poultry keepers."

The *New York Farmer* says: "Whether you are interested in poultry or not it will pay you to get one, as the illustrations alone are worth many dollars and all it will cost you is a two-cent stamp."

A personal letter from the *National Stockman and Farmer* tells us that they like it, and are using it in their columns, together with a number of the illustrations. They say: "We scarcely need a name to designate the breed of chickens so well delineated by the above cut. Our friend, George E. Howard, editor and artist of that bright poultry paper,

THE FEATHER, published at Washington, D. C., has well set forth the style and form of a White Wyandot cock, and his work as an artist is only surpassed by his generosity in loaning us this and a number of other fine poultry illustrations which shall appear from time to time on this page."

The *Cincinnati Commercial Tribune* gives a three-column review to the bulletin and closes by saying: "Occasionally there is really an interesting book or pamphlet printed by this enterprising department (Agricultural Department). One of the most generally interesting of these booklets was issued the other day, and is entitled 'Standard Varieties of Chickens.' * * * There are other chickens in the book, but these are the most interesting and give a good idea of what may be expected of the Department of Agriculture when it wants to make a hit. The pamphlet is a valuable one, especially to farmers who may believe in the chicken and egg industry, which thousands rightfully do."

The *Pacific Rural Press*, San Francisco, will republish the entire bulletin, using all of the illustrations. It says in its opening paragraph: "The United States Department of Agriculture has recently done some very valuable work in publication of information about poultry diseases and care, and there now appears a very careful and discriminating account of the breeds now in use among poultrymen. As the publication cannot reach all who are interested, we have arranged to present the portraits and descriptions in the columns of the *Rural Press*. The work is by George E. Howard, secretary of the National Poultry Association, and the publication is naturally made under the supervision of the Division of Animal Industry of the department. We shall pursue the matter until all the breeds are duly set forth in our columns."

The elegant journal, *Agricultural Advertising*, seems to be extremely pleased with the portraits of the birds used in the bulletin. It notices a *naturalness* about the birds which the poultry editor of the *Country Gentleman*, through lack of familiarity with his subject, failed to appreciate. It says as follows: "'Standard Varieties of Chickens,' published by the United States Department of Agriculture, is one of the best things the department has put out. Geo. E. Howard, the popular editor of THE FEATHER, Washington, is responsible for the illustrations and a good portion of the matter contained in this bulletin. The naturalness of the fowls commends it to the poultrymen of the country. The chickens illustrated are just such as we have seen and not extreme ideals, such as are too frequently published. Truth in illustration is just as essential as fact in words to honest purpose."

The *Washington Evening Star* says: "The Department of Agriculture is sending out a new Farmers' Bulletin which is likely to prove of great interest throughout the country. It is devoted to a careful and thoroughgoing description of standard varieties of chickens, and is the work of Mr. George E. Howard, secretary of the National Poultry and Pigeon Association. The description is given in detail of eighty-seven standard varieties of fowls and several promiscuous varieties which are raised in this country. All the leading breeds are illustrated excellently from drawings by Mr. Howard. The bulletin is practical throughout, and gives a straightforward, plain description of each variety of chickens, without the slightest prejudice or predilection for any particular kind, so that to poultrymen everywhere to whom this bulletin will be sent it will prove a trustworthy guide and counsellor in the selection of stock for the farm or the village lot. It will be sent to all who ask for it, and at the end of the year will be included in the year book of the department. It is a complete hand-book for the poultry raiser.

* * * * *

"The bulletin by Mr. George E. Howard of this city on varieties of standard poultry, which was recently issued by the Agricultural Department, in an edition of 100,000, has been exhausted, and another edition of 50,000 was this week ordered. It was but a fortnight ago that the department began to send out this bulletin, and its success as a popular compendium on breeds of domestic chickens has been unprecedented. The idea of getting Mr. Howard, who is the editor of THE FEATHER, to prepare this bulletin, originated with Secretary Morton, but the publication was under Secretary Wilson's administration, and he is receiving many congratulations on his consideration for poultry interests and his good judgment in sending out such good chicken literature."



FIG. 1.



FIG. 2.

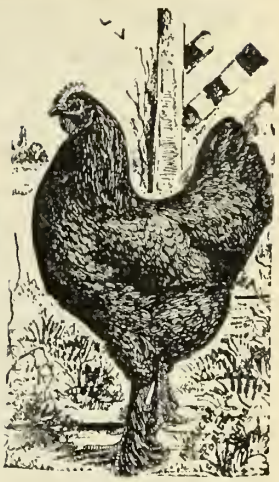


FIG. 3.

It Pays on the Farm.

As a general thing farmers are inclined to give their attention entirely to lines of business from which they expect to get the greater part of their income and the minor source of income receives but little thought or attention. Many farmers are known to me who practice mixed farming, but who depend mostly upon the sale of cotton, hay and grain. They kept only enough stock to consume the roughage, such as oat straw and the coarsest hay, and were content to buy cows that were mostly culls and would yield only from seventy-five to 125 pounds of butter per year. Dairymen who make the dairy profitable consider this ignorance or gross indifference or neglect; but as a general thing they keep poultry on the same plan, evidently more for the convenience which the eggs and poultry afford than for the profit they find in it.

As a rule, farmers have reason to complain of hard times more because they fail to look after all the details of their business than from unjust legislation. The one may be remedied by their own effort, but the other is not directly under their jurisdiction. If given a little well-directed attention, poultry is one of the most paying sources on the farm. Young fowls only should be kept, not over two to four years old, according to the breed. Food should be given in a variety, avoiding too much of the fat forming substances. I have fed a mixture of two parts bran meal to one part of wheat, wheat screenings, cracked corn, oats, oatmeal, cornmeal, etc., varying the mixture as much as possible from day to day. A little salt, red pepper, and charcoal powdered fine in this feed will be greatly beneficial. About one gallon of this mixed feed will do for fifteen to eighteen fowls. In the Winter feed more of it, serving the breakfast hot. Occasionally I give a head of cabbage and a frequent supply of apples, plenty of fresh water at all times, some scraps, meat and animal meal, an occasional basket of grass seeds from the barn floor, and have oyster shells always accessible.

One hundred hens have been made to produce from $20 to $25 per month during the Winter season, and a little over $2.25 for each during the year. I am confident of the fact that anyone who argues that this attention is not necessary, as they can get as many eggs with half the care, does not know what their income is, nor what it costs to produce the eggs. Poultrymen who have no warm place for their fowls in Winter will find it best to keep some of the larger breeds which have a heavy coat of feathers, and keep them out of snow and care for them properly when eggs are high, and they will find better profits.

A pure-bred White Plymouth Rock male, makes a good cross for these conditions, and they mature quickly. A brood of this cross hatched early in May began laying early in October, or from four to six weeks earlier than pure-bred Rose-comb White Leghorns hatched the same day and kept under the same conditions. Judging from accounts, fowls which are kept confined and have to be furnished everything, can be kept as cheaply as a cow, and produce in a year from $125 to $175, or more, while the cow may bring in $75 if she is a choice animal. Therefore, the farmers would be better off in every respect if they would pay more attention to the smaller incomes which, if attended to in the right manner, often bring in the most clear profits.

J. W. DELK.

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JUNE, 1897.

Foreign Markets and Poultry Products. In our last issue editorial reference was made to the exportation of 2,000 cases of frozen poultry, which arrived in good condition, and met with a most favorable reception at the great Leadenhall market of London. Since that paragraph was written exporters and agents of transportation companies have been carefully investigating the situation with a view to the building up of a regular and important trade.

It is asserted that eggs can be purchased in large quantities in our Western and Southern States at five cents a dozen, that turkeys can be had for six cents a pound and other varieties of poultry in proportion. These products may be easily sent to the seaboard in refrigerator cars, where they can be immediately transferred to the refrigerator compartments of the fast ocean steamships. Within eight or ten days from starting they would be in the London markets ready for sale. If the temperature of the eggs is held just above freezing, and if the poultry is frozen before it is shipped, and maintained in this condition until it reaches the other side, the quality would not deteriorate in the least. It is figured that in this manner eggs may be laid down in the London market for about ten cents a dozen and poultry for less than ten cents a pound. This offers such a favorable prospect for exceptional profits that it cannot be long before this outlet for our poultry products is established. When this is done, look out for a great development of the feathered industry in the West and South.

There is, also, a good prospect that the McKinley administration will succeed in opening the markets of Continental Europe to our cattle, sheep and dressed beef, which have been unjustly excluded for several years. It is well known that there are only a certain number of pounds of meat per capita consumed in a country under the existing conditions. If beef and mutton are shut out of foreign markets, and kept within our own markets, it lowers the price of poultry and lessens the quantity consumed. Every pound of beef or mutton that goes abroad makes a market for another pound of poultry at home and tends to improve prices. Members of the present cabinet have several times intimated that an aggressive policy is to be adopted in regard to our foreign trade. Let us hope that this will be done; and that we may obtain for our animal products as free and unrestricted markets in Europe as we have so generously tendered and held open to the products of Europe. We can have no objection to a duty which will protect the farmers of Europe from too severe competition; but we have a right to protest in the most vigorous manner against the prohibition of our products because of false and slanderous charges against their quality and wholesomeness. Our butter trade has just been given a new impetus by Government assistance—we trust that our meats will be the next to receive attention. President McKinley and his cabinet will deserve the thanks of the entire nation if they force this question to a successful issue.

* * *

Successful Poultry Farms. It is not many years since most people looked upon a poultry farm, conducted upon a sufficient scale to yield a living to the proprietor, as a visionary enterprise and one that it was practically impossible to manage successfully. To-day there are in this country thousands of such enterprises in successful operation. Some of these poultry farms yield only a bare living to the owner; others earn a living and good interest upon the capital invested; while still others are producing fortunes. There are now few intelligent and moderately well-informed persons who ask if a living can be made from poultry. This is now acknowledged to be one of the most profitable and most reliable branches of agricultural industry. The poultry business of to-day is subdivided into important specialtics. There is the breeding of pure-bred poultry; breeding for exhibition; production of eggs for the general market; production of eggs for the incubator trade; raising of broilers; raising of roasters; raising of fat poultry and capons; raising of geese; raising of ducks; turkey raising, etc. Some devote their entire energies to a single one of these specialties. Others combine two or more of them. Such details are largely determined by the surrounding conditions. The causes which formerly led to failures have been studied so thoroughly that it is now possible to avoid them in most cases. There is, however, still a great deal to learn, particularly as to the details for lessening expenses and increasing returns. These facts come partly from the experience of practical men and women, and partly from scientific investigation. Whatever the source of the information, it is the business of the enterprising poultry journal to gather it together, explain it, and show how it should be applied. When such journals are published for the nominal price of fifty cents a year, how can any one engaged in the poultry business afford to do without them? They have enabled hundreds and thousands to gain success who would otherwise have met with failure. Men, women, and even children may succeed with poultry, but the most successful are those who read the poultry papers and keep their business up to date.

* * *

Will it Pay? We are frequently asked if it will pay for the small poultry raiser and the practical farmer to replace their mongrel fowls with the pure-bred varieties. Certainly, it will pay if the selection is judiciously made. Would it pay to enter a trotting or running race with a cart horse, or any mongrel-bred animal? Every one admits that the highest speed is only obtained from horses that have been carefully bred for speed. The best and most profitable beef is made from cattle that have been bred for beef. The best and most profitable mutton is obtained from the mutton breeds of sheep. The most profitable pork is made from the pure-bred varieties of swine and their crosses or high grades.

With all of these admitted facts before us, how can we expect to get as large yields or as good financial returns from hens which have not been bred for eggs or meat as from those which have been carefully selected with these objects in view for generations. Remember, however, that a pure-bred fowl is not necessarily a great layer or especially adapted for the production of broilers or fat poultry. Some have been bred almost entirely for plumage, and these are adapted to the show room. Others, however, have been bred for their laying qualities, and still others for flesh. Choose according to the purpose which you have in view, and you will no longer ask whether it will pay to raise pure-bred fowls.

* * *

Mistakes With Brooders. This year again we hear the same tales of woe concerning the loss of chickens in brooders. Some have overcrowded, some have used too much heat, some have heated from below, some have made the most egregious blunders in feeding, and so on *ad infinitum*. This is too bad, especially for the chickens. It is not pleasant to be cooked, or smothered, or killed with indigestion. If the poor chicks could talk and write, what a pathetic volume they would issue to the world telling of suffering, neglect and cruelty to which they are subjected. No doubt they would cause many poultry raisers to blush with shame. Would it not be well to learn the proper management of a brooder before trying them on so large a scale?

* * *

Do You Want a Watch? The watch which we are now offering to subscribers to THE FEATHER is one of the most marvelous productions of this wonderful age. It is by far the best and handsomest cheap watch which we have ever seen. In size and shape it is identical with the best high-priced watches. Its winding and setting movement is the very latest and best. It is jeweled and keeps splendid time. Just think, a good watch and THE FEATHER for one year for two dollars and a quarter! Every boy should have one of these watches, and every man should carry one when at work and save his gold-cased timepiece from injury or the danger of being stolen. They are often more convenient about the house than a clock, and keep better time. We give this watch free to every one who sends us a club of ten yearly subscribers at the regular price of fifty cents each. Encourage the boys to get up a club and earn a watch.

* * *

The Right Step. At Washington, D. C., on Thursday, June 3d, articles of incorporation were filed by George E. Howard, Harmon A. Munson, Samuel W. Stinemetz, Rudolph Thiele, Edward S. Schmid, William J. Elstun, John L. Waggaman and Daniel E. Salmon for an association to be known as "The National Poultry and Pigeon Association," its object being the encourage-

ment and promotion of the culture of poultry, pigeons and pet stock, and to create a fund for the maintenance of an annual exhibition of fine poultry, pigeons and other pet stock. The capital stock is $2.000, of forty shares, at $50 each, and the trustees for the first year are George E. Howard, Harmon A. Munson, Samuel W. Stinemetz, William J. Elstun and John L. Waggaman.

The Mid-Continental.

The great Mid-Continental of Kansas City, which has achieved such merited success in the past, starts out for 1897 under more favorable auspices than ever. With its fine new coops, and with a clear financial record, its prestige is second to none. All of the noted breeders of the country who have exhibited at Kansas City in the past have signified their satisfaction by promises to show this year. It is proposed to make this year's show (Dec. 23-30) more of a national show than ever, and to this end breeders from all over the country are invited to show. The name of winning at the Mid-Continental is worth everything to the breeder from a financial standpoint. A special pigeon department will be a feature of this year's show.

The business men of the city are enthusiastic over its past success, and have signified their willingness to make this next exhibition of greater credit to Kansas City than ever, and the managers propose to pay all premiums at the close of the show. A special invitation is extended to all the noted breeders of the East and Middle States, as well as the West, to come to the great western metropolis this year and bring their best birds, as they will have quality as well as quantity to compete with. Remember the dates, December 23-30. We will cordially welcome you.

F. M. Slutz, Sec'y.

For the Amateur.

I would not advise the amateur to make a specialty of growing poultry, but grow it in combination with and supplementary to other farm work. Keep the poultry department intact and by itself. Allow the fowls full range before the crops start in the Spring, and after they are harvested in the Fall, confine them to their quarters during the four or five months while crops are growing. The advantage is that both land and fowl will be benefited; the one will destroy large numbers of injurious insects while they increase the fertility of the farm. Having selected a location near a railway station, cheap, practical, roomy buildings should be made. A building fifteen feet wide and any length can be made to cost $5.00 per running foot, but it need not cost more than from $1.00 to $1.50 per foot if the work is done by the owner. I have recently put up a building fifteen by one hundred and ten feet. It is the best one on my place and built for laying ducks. It is divided into suitable pens, with a walk the whole length. The fowls are fed and watered and eggs gathered from this walk, while the labor and care are reduced to a minimum. The building has a suitable amount of glass, is heavily covered with three-ply tarred roofing and cost but $1.45 per foot, carpenter's bill included.

My choice and experience point to the use of Brahma male and Plymouth Rock females, and to Pekin Ducks. As an all-purpose fowl there is no doubt but that some of the Asiatic breeds are the most profitable, but when eggs alone are considered, crosses are by far the best. A cross between the Brown Leghorn cockerel and a Light Brahma pullet will give a first-class egg producer of about six pounds weight, uniform in color, with all the non-sitting propensities of its Leghorn ancestors. These fowls will produce a liberal supply of large brown eggs until they are two or three years old; their one disadvantage is they do not make first-class broilers and roasters, not so much from lack of plumpness as in color of skin. This cross I would recommend with possibly the White Leghorns with the Brahma. For broilers and roasters for market, the poultryman needs a combination of table fowl and layer. For this purpose I would recommend the Light Brahma and Plymouth Rock.

As a Winter layer the Brahma pullet cannot be beaten, but during warm weather she so persists to incubate she should be dressed for market. My first shipment of these pullets last Spring averaged over nine pounds each—not a bad showing after getting one hundred eggs from each bird during the Fall and Winter. Objections have been made to this breed as being coarse, large-boned, narrow-chested, as well as the length of time required to mature. Recent breeding has somewhat removed these objections. My Light Brahma pullets often commence laying at four and a half months old. The Light Brahma and Plymouth Rock are both fine birds, but the former, being a little the heavier bird, will at four months old, with the the same treatment and food, usually make one pound more flesh, hence realize about thirty-five cents more profit.

James Rankin.

The Queen City Show.

A poultry association was organized in Charlotte, N. C., February 19, 1897, under the name of the Charlotte Poultry and Pet Stock Association, for the purpose of holding an annual show at Charlotte, the first show to be held January 12, 13 and 14, 1898. Among the members are some of the most prominent business men of the State, both in and out of the city of Charlotte.

The following officers were elected: Geo. Campbell, president; N. J. Sherrill, vice-president; B. S. Davis, treasurer; W. M. Barringer, Charlotte, N. C., secretary; D. J. Lambert, Apponaug, R. I., judge; Geo. H. Windle, Fort Mills, S. C., superintendent. Board of directors, John W. Miller, E. McNish, Geo. M. Phifer, Geo. Campbell, N. J. Sherrill, B. S. Davis, W. M. Barringer. Executive committee, Herman Dowd, W. M. Barringer, N. J. Sherrill, B. S. Davis, Geo. M. Phifer.

This association is organized not for profit to the members, but for the purpose of awakening a more general interest in fine poultry. The association is a stock company, shares being sold at $2.50 each. Any one interested can be furnished all information by addressing the secretary.

The Old Dominion.

Editor The Feather:

The earnest enthusiastic poultry fanciers of this grand old county of Loudoun held a meeting during April and formed an organization to be known as the Old Dominion Poultry and Pigeon Association of Loudoun County, Va., with the following officers: President, A. E. Warner; first vice-president, G. W. James; second vice-president, H. C. Sellman; third vice-president, J. D. Thomas; secretary, R. J. N. Reid; treasurer, Joshua Hatcher, Jr. The officers and the following gentlemen compose the excutive committee: D. J. Hoge, Claude Van Sickler, T. A. Hatcher, J. W. Silcott and Dr. R. L. Walton.

Our first annual exhibition will be held November 2d and 3rd, 1897, and bids fair to be a great success, as no more enthusiastic fanciers can be found anywhere than here in the Loudoun Valley, and we want in time to make it the leading show of the State, if not of the South. A. L. Gardner, of Springfield, Md., has been engaged as judge.

Premiums will be paid on the per cent. plan. Rules, etc., governing exhibitions were adopted at our last meeting, which was held on May 8th.

Fraternally,

R. J. N. Reid, Sec'y.

Conditions Demand the Change.

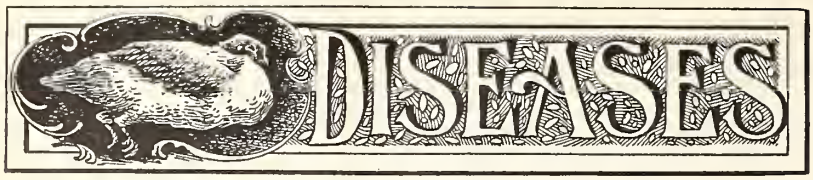
While it is a recognized fact that meat is to a large extent the natural food of fowls, though by no means absolutely so, to deduce from this that we should feed our poultry in the same manner, would be a grave mistake and one conducive to disaster in the poultry yard. Altered conditions demand a change of food, and the more deeply we study the subject the more apparent must the fact stated be. That which would be suitable in the one case is positively injurious in the other.

About twenty-five years ago a series of pamphlets was published advocating a system of poultry keeping in which meat was the staple food, and it had a very extensive sale. But, though tried by a number of people, the plan was never a success. The forcing speedily resulted in disease and the fowls died off in large numbers.

A small supply of meat in Winter is useful, its heat qualities and albuminoids supplying the hen with warmth and elements for egg formation, but to adopt the wholesale system suggested means failure by means of disease. Even what is used should be lean and not fat meat. Further, it needs to be pointed out that meat and everything of a starchy or fatty nature is more easily assimilated by young than by older fowls, and especial care is necessary when a bird has once passed its first molt. In a cold, exposed situation, these richer foods will do less harm than where the atmosphere is mild and the soil moist. A further point to be remembered is that food which may be given for a limited period to fowls fattening for slaughter, ought to be avoided by those who are feeding for eggs. In the former we seek to increase the quantity of and to soften the flesh; in the latter, we wish it to be firm and limited in extent.

A Daily Ration.

The daily food for bullfinches should be the best quality of fresh German Summer rape-seed, varied about three times each week by the addition of about one-half dozen grains of hemp-seed. A piece of sweet apple hung between the bars of the cage twice a week is a relish for him. The apple should not be allowed to stand longer than a day, as it grows stale. A piece of lettuce, water cress, or sweet berries of any kind, may be given at intervals; but they must be fresh and taken away before they sour or grow stale. Frequently diseases of the digestive organs arise from the use of stale green stuff.



CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Bacterial Enteritis.

BY DR. D. E. SALMON.

[*Concluded from last month.*]

TREATMENT.

TO prevent outbreaks of bacterial enteritis cleanliness should be enforced about the poultry buildings, and the birds should be allowed only pure and clean drinking water and food that is not undergoing putrefaction. When fowls are compelled to slake their thirst by drinking the foul water of stagnant ponds, or the seepage from the barn yard, or when they are fed with rotten grain or vegetables or with putrid meat, this disease is liable to develop. It is, therefore, important to avoid this exciting cause of the malady. The trouble may also be introduced with sick fowls that are brought upon the place, and, hence, the necessity of isolating or quarantining all new arrivals until their perfect health is assured. By such a precaution not only this disease but all other forms of contagion may in many cases be avoided.

After the disease has broken out among the poultry on a farm, the first effort for its eradication should be a general cleaning up and disinfection. The disinfectant may be a five per cent. solution of carbolic acid for saturating the floor and woodwork of the buildings, followed by a thorough application of lime wash. The drinking vessels and feeding troughs should be well scalded with boiling water. This cleaning and disinfection should be frequently repeated until the disease disappears.

The medical treatment of the birds has three objects in view: 1. To disinfect the intestinal passage. 2. To arrest the diarrhea. 3. To renew the strength. A good treatment is to give sub-nitrate of bismuth three grains, powdered cinnamon or cloves one grain, powdered willow charcoal three grains. This may be given twice a day mixed with the food or made into pills with flour and water. If not successful with the formula just given try sub-nitrate of bismuth three grains, bicarbonate of soda one grain, powdered cinchona bark two grains, mix and give three times a day in a paste made with rice flour. When the diarrhea is arrested the bismuth and soda are no longer indicated, but a tonic is still advisable. For this Megnin recommends: Powdered fennel, anis, coriander and cinchona of each thirty grains, powdered gentian and ginger of each one dram, powdered sulphate of iron fifteen grains. This is thoroughly mixed and may be given in the feed so that each fowl will receive from two to four grains twice a day.

The food of affected birds should be nutritious, easily digested, and not too wet. Middlings and meal, rice flour or dry bread may be mixed with boiled milk into a stiff paste and fed either alone or with the addition of boiled and finely-chopped beef or hard-boiled egg. The ration should be light until the diarrhea is checked and other symptoms of improvement are seen.

Constipation—Intestinal Obstruction.

Constipation is due to an abnormal dryness and hardness of the contents of the intestines, which leads to the accumulation of the contained substances, and the consequent distention and obstruction of the intestinal passage. It is sometimes caused by dry, astringent food; in other cases it results from some irritation of the mucous membranes; it may be due to the unnatural dryness of the intestine, which often occurs after attacks of diarrhea. The intestine may also be obstructed by masses of gravel and by quantities of parasitic worms. These obstructions may be found in any part of the intestinal tract. Frequently, obstruction occurs at the lower end of the intestine near the external opening. This is caused either by irritation of the cloaca or by the drying of excrement upon the feathers about the anus, and its continued collection until the expulsion of the intestinal contents can no longer be accomplished. In all of these cases there necessarily follows a great accumulation of matter in the intestine above the obstructed point, the moisture is absorbed from this, it becomes dry and hard, irritation and inflammation are produced sooner or later and the life of the bird is seriously threatened.



SYMPTOMS.

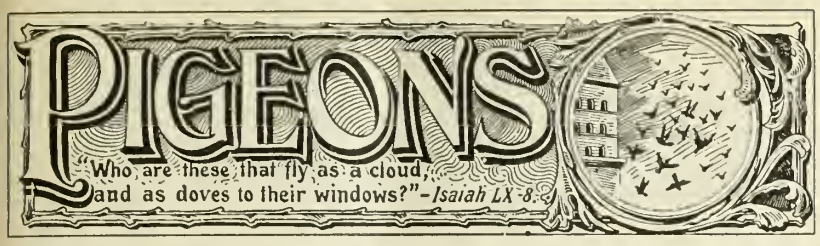
Birds which are affected with serious constipation or intestinal obstruction become dull, lose their appetite, stand with arched back, roughened plumage, walk with more or less difficulty, are at times uneasy and make frequent attempts to expel the excrement. By careful examination, the hard impacted intestine may often be felt through the abdominal walls or the obstruction of the cloaca may be discovered. Frequently, the dried mass of excrement may be seen adhering to the feathers and blocking the external opening of the bowels.

TREATMENT.

When the obstruction has commenced and is maintained by accumulations of the excrement upon the feathers, the first step is to get rid of this obstructing mass. It should be soaked in warm water until softened, and then by clipping some of the feathers about the vent it is easily removed. If the cloaca is filled with a hardened mass, this too should be softened with warm water or with olive oil, and carefully manipulated until it can be pressed out or otherwise removed without injury to the bird. Oil may be inserted around such an obstruction with a small syringe, or, in the absence of a syringe, an oil can, such as is used for oiling machinery, answers the purpose very well. After the oil has been applied freely, it may be necessary to wait an hour or two for it to penetrate and soften the obstruction before much progress can be made towards its removal by manipulation. The handle of a small spoon or a similar blunt instrument is often of assistance in clearing out the contents of the cloaca.

When there is serious constipation or when obstruction has taken place higher up in the intestine where it cannot be reached by external applications, laxative or purgative medicines are necessary. The most successful of these are Epsom salts twenty to thirty grains dissolved in a tablespoonful of water; castor oil one to two teaspoonfuls; or calomel one to two grains made into pills with butter or lard. The constipation should also be corrected as far as possible by regulating the rations of the birds. Give soft, watery mashes, green feed and bran until the bowels appear to to be once more in a normal condition. The skillful feeder will generally prevent both diarrhea and constipation by careful attention to the diet.

Last month we printed an illustration of the skeleton of a fowl, showing clearly the different bones, their shape and their connection with each other. This month we present a companion illustration, showing the relations of the skeleton to the other parts of the body. A careful study of these two pictures will be well worth the time required. From them a better idea will be obtained of the structure of the fowl, and of the elements of carving and surgery, than from many columns of text.



CONDUCTED BY J. C. LONG, NEW YORK CITY.

"ALPHA AVIARY."

A Model Home Where Dainty Shakers Strut with Pardonable Pride.

OVER twenty-five years ago Mr. Jesse M. Rutter began to breed the "Alpha" strain of Fantails, and the spacious pigeon house pictured here shows how well his present stock is sheltered from the vagaries of our uncertain climate. This "Aviary" faces the south, and stands upon rising ground at 72 Pleasant Street, Methuen, Mass. Methuen is a suburb of Lawrence, two miles north of, and connected with the latter city by electric cars that run at frequent intervals. From Boston to Methuen the distance is twenty-eight miles, a trip that takes just about an hour on the B. & M. R. R. All fanciers who want to see a model Fantail aviary would do well to visit Methuen and look through this roomy building where dainty "Scottish Shakers" strut as if consciously proud of their long pedigrees.

Mr. Rutter is always ready to welcome interested visitors and to talk freely about the type he has been breeding up to for the past quarter of a century. For years only White Fantails were kept, but lately Blues and Blacks have claimed some space, and experiments with other colors are now going on. The most widely-advertised colored Fantail of this strong collection is the little Blue cock known as "Regent." The half-tone cut is an exact copy of a "snap-shot" that caught "Regent's" "shaker" outlines just as he halted before a bunch of tall grass growing in the "Alpha" outer flight. While this picture duplicates one fleeting attitude of this superb Fantail, no mere portrait in moveless ink can possibly do more than just hint at the lithe beauty of the living bird. Ever active, he struts, whirls and bows as if the aviary was built specially to accommodate his lordship. "Regent" has proved his power to reproduce these symmetrical curves by breeding last season several youngsters of the same jaunty style, and one of this number—the hen "Avis"—will probably soon appear in THE FEATHER.

The White Fantails of the "Alpha" strain have four "Scottish" crosses in their blood, and as a consequence are brimful of the desired Dundee carriage. This graceful form is now a family trait that quite often causes favorable comments from callers that are close observers. Every effort is used here to breed quality instead of merely trying for quantity. No Fantail is allowed to pass into other hands until a better specimen stands ready to strengthen the home stock. On an average only twenty breeding pairs are used each year, and the producing season is barely six months to insure vigorous, well-matured young. In 1896 the chosen score of couples reared 116 sturdy Fantails in about five and one-half months. Fair proof that the "Alpha" strain breeds freely, and that "Alpha Aviary" is well fitted to keep its tenants in active health.

The hen "Lorna" was hatched May 5, 1894, from strong Scottish blood. She shows the swelling chest, short legs and low-held head peculiar to well-bred "Shakers," and is a fair sample of the type aimed for at the "Alpha Aviary."



"ALPHA AVIARY," METHUEN, MASS.

During the past quarter of a century "line-breeding" from the best "Alpha" Fantails has been steadily carried on, and to-day Mr. Rutter owns a strain that yearly produces many specimens whose bearing stamps them as true thoroughbreds. Fantail lovers are cordially invited to call at Methuen and see what twenty-five years of careful selection have done for the "Rutter" White Fantails.

Send a two-cent stamp to Edward B. Page, Louisville, Ky., secretary of the National Pouter Association, for a copy of its by-laws and standard.

Points of the Barb.

According to Mr. Richard Woods, the well-known authority on pigeons, the points and properties of a good Barb are as follows:

Size, fairly large, without being coarse. There is a difference of opinion on the subject of size, some breeders favoring a much smaller bird than others. Mr. Woods considers that a certain amount of size is necessary if we are to retain that strength of constitution which has long been a characteristic feature of the breed.

Shape and carriage are leading properties of the Barb, which perhaps the word "squatty" will best describe, this bird being long-bodied, short on the legs, short in the neck and somewhat long of feather. Chest, broad, with a total absence of gullet and neat, thin tapering neck preferred.

Head as large and shapely as possible, free from angles, and showing, when viewed in profile, as much of an unbroken curve as possible.

The skull cannot be too broad, width of skull being one of the first properties looked for in a good specimen.

The beak should be short, the shorter the better, thick and massive, and with just sufficient curve to complete the much desired unbroken outline of profile. In color the beak should be white, though many good Barbs are frequently met with having slightly stained or dusky-colored beaks.

The beak-wattle, although not large in size, plays an important part in the many attributes of this pigeon, for without a nicely-formed beak-wattle, a large rich-colored eye-wattle would appear strangely at variance with other properties. In texture the beak-wattle should be fine, that is, close and even, and in formation resemble somewhat a saddle, but distinctly showing a divisional line up the center.

The eye should be light or pearl-colored, but a close inspection of many of the Barbs of to-day will reveal the fact that the eyes are often tinged with maize or yellow. Greater attention should be given to the color of the iris, for the reason that the lighter in color this is, the greater the contrast with the eye-wattle will be.

The eye-wattle must be regarded as the chief property of the Barb. No matter how good a Barb may be in other respects, if the eye-cere (or wattle) is faulty, down goes the value of the bird at once. In shape the eye-wattle should be circular, as large as possible, rather thick and standing well out from the skull, free from sprouts and in color a bright, rich, ruddy red.

The defects most commonly met with in this variety are deficiency of wattle, wedge-shape skull, irregular shape of skull, long or straight face and thin beak.

To Detect Disease.

Amateurs will be glad of a few suggestions as to the method of ascertaining the physical condition of their birds. To be able to detect disease requires great practical experience and close observation of the pigeon when in health. The eye is a study in itself. Any serious disorder, no matter in what part of the body it may be situated, is certain to alter the appearance of the eye. Having critically examined the eye, next direct your attention to the plumage on all parts of the body, noting any unnatural unevenness of surface or want of gloss. Then begin at the head, and



"LORNA," OWNED BY JESSE M. RUTTER.

run your fingers over the parts of the body covered with the feathers, at the same time carefully examining each joint. Examine the mouth, and look well down the throat, in order to detect any thickening of the secretions, discoloration, ulceration (canker), or other abnormal condition. This is a most important part of the examination and must not be neglected, as it is one of the chief means of ascertaining the state of the alimentary system. With the points of the fingers, using gentle pressure, carefully examine the abdomen to see if there is any hard substance in its lowest or hindmost part, which might be a tumor, an egg, or even a fallen gizzard. An egg would be in the left side, a fallen gizzard or a tumor would, as a rule, be in the center and low down. If the skin over the abdomen has a slimy appearance there is sure to be something wrong inside. The droppings from a bird in health should be moderately firm, and have a fair amount of urea (the whitish-colored part of the droppings) voided with them. If greenish, rather dark, loose, or frothy, it is a sure sign that the bird is not in perfect health. Of course, you will examine its eyesight, see if it is able to walk and to fly, observing whether it is done in a spirited manner. Take particular notice of how it breathes after slight exertion, making allowance for fright, which would cause hurried but not labored breathing, the latter being alone due to a diseased condition.

American Turbit Club.

The American Turbit Club was organized February 8, 1897, with the following officers: President, John G. Orr; vice-president, W. Harry Orr; secretary-treasurer, Wm. W. Kline, Reading, Pa.; executive committee, W. Harry Orr, W. S. Lentz, Wm. W. Kline. The club adopted the following standard of excellence:

1. Size, small, very full in breast, short flights and tail, the former carried well up and not drooping, carriage erect.

2. Crest, springing from mane, quite unbroken, and ending in a fine point a little above the head.

3. Head, large (not long), crown slightly bevelled, forehead high and round, being well bulged so as to present a pronounced "down-faced" appearance.

4. Eyes, bull, *i. e.*, dark hazel, large and full.

5. Beak, short and thick as possible, with upper mandible slightly overlapping the lower at the tip.

6. Wattle, a fair amount.

7. Gullet, as much as possible, quite filling up the hollow in the throat.

8. Frill, as much as possible, long in feather and firm in texture, turning both ways and extending from the gullet well down into the breast.

9. Color, black, blue, red, and yellow and the various other colors known as "off colors;" the bars of the blues and silvers to be broad, even and distinct.

10. Markings, white, with colored wings, each having ten white flight-feathers.

11. Legs, short, and free from feathers below the hocks.

Insects on Young Pigeons.

Now that the weather has begun to get warm pigeon keepers will find that one of their greatest enemies has made its appearance, in the form of those unwelcome little insects which almost invariably accompany the Summer weather. The first noticeable symptom is that the squabs do not thrive as they should, then the old birds begin to neglect their young, and, finally, the squabs die. Many fanciers think it is through the neglect of the old birds that the young ones die, and they do not take the trouble to ascertain the primary cause of the negligence. Had they examined the squabs, they would have found them covered with tiny insects, and this was the reason the old birds neglected their young. The cause of this mishap was not paying sufficient attention to the thorough cleansing of the nest-boxes. We would advise our readers to carefully examine every two or three days any squabs they may have, paying particular attention to look under the wings, as it is on this part of the body the insects always make their appearance. Should they find any signs of these little pests, they will do well to sprinkle the parts affected with insect powder; also sprinkle a little in the nest-box. We have found Persian Insect Powder, which can be procured of any druggist, of the greatest service in extirpating these little pests.

The American Owl Club.

Editor The Feather:

The officers of the American Owl Club for the ensuing year are as follows: President, William Ehringer; vice-president, Alfred Billyeald; secretary, Geo. Feather, Dorchester, Mass.; executive committee, Geo. W. Eckert, Wellington Kennedy, C. L. Dean, C. W. Buttles and Dr. C. H. A. Meyer.

The club has adopted the Willetts' enameled band again for 1897, the band to be a different color from those used last year. No other band will be allowed.

The following specials were donated for the coming show: Mr. Alfred Billyeald, $5.00 for best Blue or Silver English Owl cock; Mr. Eugene W. Bond, $5.00 for Best Blue or Silver English Owl hen; Mr. John Graves, a silver cup for best dark-tailed Owl.

The next meeting of the club will be held in New York City during the annual exhibition of the New York Poultry and Pigeon Association.

The club is in a flourishing condition and is at all times open to receive new members. The initiation fee is $1.00 and yearly dues are $1.00, payable July 15th of each year. If you are interested in any variety of the Owl Pigeon, come and join us. Fraternally,

GEORGE FEATHER, Sec'y.

Nests for Pigeons.

The arrangement of nesting places for pigeons will, of course, depend upon circumstances, but one invariable rule should be observed and that is that each pair of parent birds should be provided with at least two convenient nesting places within easy reach of each other. The reason for this is that adult pigeons, well fed and in good condition, will lay a second pair of eggs before the nestlings hatched from the former pair are able to shift for themselves. This rule should be insisted upon if success is to be attained, as pigeons absolutely require both a nursery for their young and a place apart to lay eggs in, otherwise a large number of young from one pair in a season would be practically impossible.

Use of Feeders.

If the feeders happen to lay at the same time as the stud birds it is a good plan to transfer the eggs all to one nest, though unless such an arrangement can be assured it will be safer to wait until the squabs are out, when they may be either left for a few days with the parent birds to feed off the soft food, or be at once exchanged with the young of the feeders. An ample supply of nourishment should be insured, however, by taking care that the ages of these transferred birds are nearly the same.



"REGENT," OWNED BY JESSE M. RUTTER.

If the pedigree squabs happen to hatch out a day or two in advance of the young of the nurses, an arrangement of this kind works well; the pedigree youngsters thus getting an increased supply of soft food from their foster parents, while the strain on the stud birds is lessened, the smaller young of the feeders being more easily satisfied. The stud birds should not be altogether relieved from maternal duties, however, because nature provides them with secreted food for the sustenance of the young that must be fed off if sickness is to be avoided. It takes from seven to ten days to relieve the crops of the parent birds.

HOMING PIGEON DEPARTMENT

A Washington Fancier.

The president of the Washington District, Federation of American Homing Pigeon Fanciers, Mr. Allen C. McLean, is one of the most popular fanciers of the National Capital. He began flying pigeons about seven years ago and has made a most enviable record with his birds. Each season his birds have won new laurels for him, and hardly a fancier holds better records or more prized trophies than he. Mr. McLean is what may justly be termed a true fancier; he does not raise birds for sale and finds his only sport in flying. It is just his delight to have a shipment of birds on the road.

Mr. McLean claims an honor that no other fancier of the District has, in having the only bird that has made the fly of 500 miles in the day. This elegant hen is the jewel of his loft, and is beyond price in his estimation. She is Blue Check, banded W. F. 2714, and made her record on May 30th, 1896, winning special and two diplomas. Last year he shipped thirteen birds to the 500-mile station, and had eleven of them to home the next day; the others were never heard from. He shipped nineteen birds to the 300-mile station that beat any of his previous records for speed. His success this year is even better as a whole than that of previous years, his average speed being exceedingly high. From the 100-mile station his average was 1,599 yards a minute; from the 200-mile, 934 yards a minute, and from the 300-mile he scored the high average of 1,500 yards.

These records are something that any fancier would feel proud of, and his friends are pleased to see his success in the fancy. Mr. McLean is a very careful breeder and his matings produce birds that have invariably distinguished themselves for speed and intelligence.



ALLEN C. MC LEAN.

A 100-mile Fly.

The great 100-mile fly of the New England Federation turned out a grand success. Nineteen baskets, containing a total of 434 birds, were opened simultaneously at 8:45 on the morning of May 9th, at North Adams, and away they went in a huge cloud, each one bent on reaching home first. Such a fly has never been known in New England before, and it must have been a grand sight to see the start. The liberator wired: "Birds flew at 8:45; fine start and elegant weather." The weather in the vicinity of Boston was cloudy and quite thick up to this time; but long before the birds could have got nearly home the sun shown out and all was fair. C. E. TWOMBLY, Race Sec'y.



LOFT OF ALLEN C. MC LEAN.

Interesting Meetings.

Editor The Feather:

The Massachusetts Columbarian Association held its regular meeting May 21st. Our shows at each meeting have proven quite interesting and in some cases instructive. Our list on this date included Barred Blondinettes. Badge or Beard Tumblers and Clean-legged Tumblers, all colors, cocks and hens. So you see competition is at all times strong. Mr. Thomas Willetts, of Lowell, the band manufacturer, who, by the way, is quite a boomer for your interesting publication, made a scoop; and it could give only pleasure to the fancier of any variety just to look at his first and second winners. Fine, grand, beautiful, does not express our opinion of these little wonders. The Almond cock is the same Mr. Willetts won the $10.00 special on at the big Boston combination show. The Black Kite which came next also won at the same show. Does not Mr. Willetts deserve credit, having bred these himself? We think so. Mr. Connors was judge and placed the awards where no fault could be found.

Fraternally,
A. T. BERRY, Sec'y.

When writing our advertisers always mention THE FEATHER.

One-day Birds.

The greatest ambition of the fancier is to have pigeons that will fly 500 miles in the day. The performance can, it is stated, readily be done on a favorable day, and many fanciers in and about London accomplished the route from Thurso, in Scotland, in July last, the winning bird flying 501 miles, with an average velocity of 1,454 yards per minute for the entire distance. These 500-mile performances for the day are quite common in Belgium, and the distance has also been covered in America.

The rate at which the Homing Pigeons fly sometimes is almost incredible. With a strong tail wind birds have accomplished more than sixty miles in the hour. But even when the conditions are not favorable some of the records are remarkable. Birds are liberated in the south to fly 200 miles into the north of England, with the wind blowing at the rate of upwards of a mile a minute dead against them; and yet dozens of the birds will be in their lofts under 400 minutes. If the day is such that the birds cannot see their way, but have to feel it, and the wind bloweth from the quarter that is neither good for man nor beast, then the winning bird's velocity is reduced to about 700 yards per minute, and a bare five per cent. of the liberated birds come home the same day.—*New York Journal.*

Breaking Previous Records.

Editor The Feather:

Washington District of the National Federation of American Homing Pigeon Fanciers has flown three of its series of six old bird races for the season of 1897. Two of our races, viz., the 100 and 300-mile, have been remarkable for the high velocities attained by the birds. In our 200-mile race the birds flew the entire distance against a strong northeast wind, making high velocities an impossibility, but even with this disadvantage losses were very light. The 100-mile race was from Chester, Va., 110 miles, May 9th, nearly 600 birds competing from twenty-five lofts. Birds liberated at 6 A. M. began dropping in at 7.50 A. M., a great many flying the 110 miles in 110 minutes, with an average speed of nearly 1,760 yards per minute. We used the Halstead Timing Device for timing returns and lost two minutes in catching birds and recording counter-marks, making the corrected speed of first bird 1,723 yards. Mr. L. B.

Nye won first diploma in this race, breaking all previous records for the distance in Washington. In the 200-mile race, with a strong wind dead ahead, the birds averaged about thirty-five miles an hour, Mr. T. E. Francis winning, speed 995 yards. In our 300-mile race we again broke all records for the distance in Washington, making the remarkable speed of 1,680 yards per minute; more than fifty-seven miles an hour. Birds were liberated from Rennert, N. C., at 5:35 A. M., and began homing as early as 10:48; 301 miles in 313 minutes. Mr. H. M. Dickinson is the happy possessor of the first bird and diploma winner in this race.

Washington District feels proud of its record thus far this year. Our birds have flown on the same days and under the same weather conditions as the best lofts in the country, coming out with greater speed to their credit. Our losses have been few, and we are now looking forward with bright hopes for the 400, 500 and 600-mile races.

Fraternally,
VOLNEY EATON, Sec'y.

Essex Homing Club.

The fourth of the series of old bird races of the Essex County District was flown on Sunday, 6th instant, from Rocky Mount, Va., 400 miles. Birds were liberated by W. H. Ackers, who wired, "Birds started at 5:25 A. M. Fair start." At home the weather was all but discouraging. The day broke with threatening weather; northwest winds; later on weather began clearing, wind shifting southeast. Out of 157 birds, comprising the entry of sixteen lofts, only seven lofts reported twenty-three birds home at close of race. Following is result:

OWNER	DISTANCE	SPEED
C. A. Mahr, Jr.	402.50	1008.9
Eli Moreton	401.13	997.3
A. Whatten	402.43	995.0
R. M. Bartholomew	402.00	945.0
Chas. Rothacker	400.91	939.2
Wm. Johnson	402.60	918.2
James Parker	401.77	896.2

The next race will be flown from Newton, N. C., June 19th.

Fraternally,
WM. BOOK, JR., Sec'y.

Good Flying.

Editor The Feather:

The first two races of old birds from the Southern Lofts of Washington, D. C., took place on schedule time, and with the exception of the Waterloo, at seventy-five miles, occasioned by neglect of liberator, who, after keeping the birds three and one-half days, and one and one-half days without food or water, liberated them in a heavy rain, all went well.

Eighteen birds were started, the first and second lots of six each meeting at seventy-five miles; those that returned were too much exhausted to be sent 152 miles a few days later.

The third lot of six went to 152 miles May 23d, Norfolk, Va., and were liberated at 8 A. M. Weather fine. First arrivals: T37577, R. C. C., 10:50 A. M.; T32879, B. C. H., 10:50 A. M., both birds averaging 1,574 35-100 yards per minute; T32882, Silver H., 10:54. Others followed later.

Second race was from Raleigh, N. C., May 30th, 235 miles. Six birds. Start, 6 A. M. First arrivals: T32879, B. C. H., 12:45 P. M., 1,021 95-100 yards per minute; T37577, R. C. C., 12:48, P. M.; T25608, R. C. H., 12:48 P. M.; T32877, B. C. H., 1:05 P. M.; F. J. 59, B. C. C., 3:59 P. M. Best speed, 1,021 95-100 yards per minute.

Third race will be from Wilmington, N. C., 325 miles.

Yours Fraternally,
THE SOUTHERN LOFTS.

A Waterloo.

The fourth old bird race of the Manhattan Homing Pigeon Club of New York and Brooklyn was flown June 6th, from Rocky Mount, Va., distance 400 miles, and proved a veritable Waterloo. Of the shipment of 108 birds from fifteen lofts but five birds homed the same day. The birds were liberated by W. H. Akers, who wired, "Birds liberated at 5:25 A. M. Fair start." At home the weather was most discouraging, the atmosphere being damp and chilly and the wind from the east. The following is the result:

OWNER	DISTANCE	SPEED
Thos. J. Clarke	413.66	958.20
Jos. Scholl	409.42	935.09
J. G. Gunning	406.44	922.59
Chas. Pfriemer	411.13	890.79
Thos. J. Clarke	413.66	same day.

The next race is scheduled to be flown Saturday, June 19th, from Statesville, N. C., distance 500 miles.

Fraternally,
GEO. BROWN, JR., Sec'y.

Homers Lost.

Mr. Edgar Satterthwaite, Stanton, Del., writes that he has lost the following birds and will pay a reward for the return of the same: Blue Check cock, T1221; Blue Check cock, open band 66; Blue hen, open band E. S. 3, '96; Blue cock, E. S. 63, '96, and Blue Check hen, open band E. S. 13, '96.

Food for Canaries.

The various classes of canaries are brought up and fed on about as many different kinds of seeds, and the seeds to which the bird has been accustomed are the kind on which to feed him. The Germans religiously believe in the superiority of the German Summer rape-seed. This seed is not heating and is an excellent voice promoter. If the bird eats this seed solely it has the effect of keeping the song down to a mellow state, but when the more heating seeds are fed the voice is apt to be sharper, besides having the effect of making the bird sing too constantly. By some it is the custom to vary the diet by the addition of other seeds, such as canary and millet, fed in equal proportions with the rape. The German method of feeding young birds daily on a mixture of grated hard-boiled eggs, mixed with Zwieback, or hardened German bread, is the best. When Zwieback cannot be obtained, grated bread will do. As the birds grow older, the egg-mixture should not be fed so often. The quantity given at a time should be in the proportion of one hard-boiled egg mixed with an equal quantity of bread, for eight birds.

Age of Canaries.

The age of a canary cannot be accurately determined. After the first year the scales on the legs become coarser and larger, increasing as the bird grows older. The claws also lengthen. If a bird's claws and legs are carefully attended to, it would puzzle any but the most expert judge to accurately tell its age.

When writing our advertisers always mention THE FEATHER.

Remember.

BY WM. H. RHEES.

Remember that good advice is never out of season; even the wise poultryman don't know it all.

Remember to be sure you are right, then go ahead; get the right breed, then stick to it.

Remember that well begun is half done; it requires good stock to produce good chicks.

Remember that the best is generally the cheapest in the end; it's poor policy to start with inferior birds.

Remember that fortune knocks once at every man's door; the wise poultryman keeps his latch string out.

Remember that honesty is the best policy; but, alas! all breeders don't practice it.

Remember that all that glitters is not gold; the fancy-looking incubator is seldom a money maker.

Remember that too many cooks spoil the broth; too many visitors spoil the incubator hatch.

Remember that an ounce of prevention is worth a pound of cure; try to prevent, not to cure diseases.

Remember that variety is the spice of life; and variety is the keystone to successful poultry feeding.

Remember that still waters run deep; clean water for the poultry-run.

Remember that the early bird catches the worm; but the early chick generally catches the morning dew.

Remember to make hay while the sun shines; also to mend the leak in the hen house roof.

Remember that a rolling stone gathers no moss; but a sitting hen gathers lice.

Remember that experience is expensive; inexperience is disastrous.

Remember that talk is cheap; the hen that makes the most noise don't always lay the most eggs.

Remember that a crack in the hen house wall means a draft; a draft means roup.

Remember that some good things are cheap; whitewash is cheap.

Remember that a dust bath is nature's remedy for lice.

Remember things are seldom what they seem; the largest hen may lay the smallest egg.

Remember that all poultry editors don't believe condition powders are a necessity.

Remember that quality in the subscription list brings profitable sales to the advertiser.

Remember those who know how to get rich raising poultry are like Wall Street brokers; rather experiment with other people's money.

Remember that beauty is only skin deep; but a well-dressed market fowl brings the highest price.

Remember there is many a slip between cup and lip; give a chick a drinking fountain, not a bath tub.

Remember that cleanliness is next to Godliness; dirtiness is next to slovenliness.

Remember that a watched pot seldom boils; the watched hen seldom lays.

Remember there is lots of room for the best at the top; try to produce quality.

Remember that a kind word never dies; you may be successful; "there are others."

Remember that by our works we shall be known.

"Let us, then, be up and doing,
With a heart for any fate;
Still achieving, still pursuing;
Learn to labor and to wait."

THE BUSINESS WORLD

As Viewed From the Columns of The Feather.

A VAST BUSINESS.

Messrs. Griffith & Turner Co., who are one of the regular advertisers in THE FEATHER, are undoubtedly the largest seed and implement house in the South. Their large catalogue for 1897 gives an idea of the vast business they are conducting. Everything for the farm can be supplied by them. All kinds of novelties and specialties, vegetable and garden seeds, dairy goods, poultry supplies, implements, wagons, fertilizers, etc. They are running in connection with their growing farm and garden seed business an extensive plant for pure-bred live stock and poultry. They also carry a full line of supplies for the poultryman. They can supply animal meal, meat scraps, sun-flower seed, Rust's egg producer, Sheridan's condition powders, ground oyster shells, grit, ground charcoal, etc., at lowest prices and in any quantity. This list includes the best articles of the kind that can be found anywhere, and those who use them can be supplied promptly by this house. We would advise our readers to send for a copy of their latest catalogue for 1897, which will be mailed free.

ALL ARE CORDIALLY INVITED.

To the Langshan Breeders of America:

The American Langshan Club, through its executive committee, after a careful discussion, has taken this method, through the kindness of the poultry press, of fully advising you that the club at its next regular meeting the coming Winter will be solicited to pass laws for its permanent advancement as the protector of the purity of the Langshan fowl, to regulate the judging of the same; and to provide that none but highly competent persons pass on the different excellencies of the specimens at our largest and best exhibitions, to the end that the purest types of the birds we breed may be preserved and advanced.

It will be urged in addition that the fees and dues of annual membership be reduced, and that the life-membership fee of $5.00 be permitted to remain as now, unaccompanied by annual dues; and the committee trusts that every earnest and loyal-hearted Langshan breeder in America, not now a member, will at once take out a life membership in this club.

Mr. R. T. Nettle, Peoria, Ill., our secretary and treasurer, greatly desires that our next annual catalogue be published by October. It will be published by him, and under his personal direction.

It is the intention of this committee that said catalogue be made a regular storehouse of Langshan literature and useful information pertaining to these fowls we breed. Each member of this club, and all devoted Langshan breeders, are hereby invited to prepare essays on the subject of Langshans and kindred topics and submit them to said secretary at as early a time as possible, say August 1st, with a view of filling said catalogue with the best Langshan literature attainable. It is also proposed by this committee that many thousands of these catalogues be published this year, and all honorable Langshan breeders are hereby requested to place liberal advertisements in the same. The rates are extremely low; a card to the secretary will produce full information on that subject.

Fraternally submitted by the executive committee of the American Langshan Club. C. I. Forsyth, chairman, Winfield, Kans., May 29, 1897.

R. T. NETTLE, Sec'y.



"DYNAMITE," BRED BY LONG VIEW YARDS.

A GRAND CATALOGUE.

The Long View Poultry Yards, Hyattsville, Md., have just issued a new and enlarged catalogue of their stock. The book is handsomely illustrated and printed on the best coated book paper and bound in handsome cover. Every branch of their large plant is carefully described in detail, with prices of stock and eggs. The illustration shown on this page of their bird "Dynamite" is one of those used in the catalogue. Besides Barred Plymouth Rocks, the Long View Yards breed Single-comb White Leghorns and White Wyandots. They have stock and eggs for sale always, and can supply them at short notice. It will be to your interest to write them, enclosing stamp, for one of their new catalogues. See their ad. on second page of cover and write them without delay.

NEW OFFICERS.

The officers of the St. Louis Fanciers' Association recently elected for 1897 are John S. Gibert, president; Edward Gay Martin, secretary; R. N. Stubbs, treasurer. All communications should be addressed to the secretary, Edward Gay Martin, Court House, St. Louis, Mo.

EDWARD GAY MARTIN, Sec'y.

BETTER THAN EVER.

Mr. F. H. Wood, Dryden, N. Y., writes that he will have out a larger number of chicks this season than ever and that he expects the quality to surpass anything he has yet bred, although stock from his yards last season, in the hands of his customers, were winners at many of the leading shows, including Madison Square Garden and Washington, D. C. He has already received several orders for birds to be shown at New York and elsewhere the coming show season.

"PLANET, JR.," WINS.

(Via Postal Telegraph Cable Co.)

PARIS, May 19, 1897.

At the trials of American implements just held at Bourges, the only French government trials held this year, S. L. Allen & Co., manufacturers of agricultural implements, in Philadelphia, obtained first prize (gold medal) on their Planet, Jr. Horse Hoes and Cultivators, after complete dynamometer tests, eight competitors being in the field.

A CHANCE FOR SOMEONE.

Our friend, Mr. T. F. McGrew, 1267 Broadway, New York City, writes us that after July 1st, he will dispose of three-fourths of his breeding stock of Buff, Black, and White Cochin Bantams. He also says they are the very ones he now has in his breeding yards. We are of the opinion that this is an exceptionally good chance for those interested in Bants to get valuable breeders for another season. We all know that Mr. McGrew's stock is of the very best, and of his success in breeding fine poultry for the last thirty years.

Here Is Your Chance!

Fifty Brown and Buff Leghorn hens from our breeding yards of 1897. A rare opportunity to get first-class breeders at $2.00 each in lots of five or more. First come, first served.

BRACE & WALLING, VICTOR, N. Y.

THE NORTHWESTERN.

The Northwestern Pennsylvania Poultry and Pet Stock Association has elected the following officers for the ensuing year: President, Prof. C. G. Winkler; first vice-president, Wm. Sapper; second vice-president, F. W. Peters; secretary, A. E. Blethen; treasurer, Chas. Madlehner; executive committee, Capt. J. J. Baxter, D. Schlosser, Emil Streuber, M. T. Dougherty and Geo. Kraus. A very large and successful show was held last January, there being nearly all varieties of poultry and pigeons represented, a great many of which would carry off prizes in any of the leading shows.

The fourth annual exhibition of the Northwestern Pennsylvania Poultry, Pigeon and Pet Stock Association will be held at Erie, Pa., December 28, 1897-January 1, 1898. B. N. Pierce, poultry judge; F. G. Botsford, pigeon judge.

A. E. BLETHEN, Sec'y.

PEORIA'S GREAT SHOW.

The Peoria (Ill.) Feathered Stock Association will hold its second annual show January 4-8, 1898. This show promises to be one of the leading shows of the West. Mr. George O. Brown, the popular and up-to-date poultry judge, of Baltimore, Md., will score the poultry, and Mr. George Ewald, of Cincinnati, will pass on the merits of the pigeons. Rouses' Hall, one of the largest and best lighted halls in the State, has been secured. Keep your eye on us and don't forget the dates. Address all communications to THEO. A. GODEL, Sec'y.

WITH THE WINNERS.

At the Rochester show, 1896, Mr. W. C. Denny, secretary and treasurer of the American Buff Plymouth Rock Club, won on Buff Rocks, 2d cock, 5th hen, 2d cockerel, 1st pullet and 5th tie, 2d pen, 1st collection, besides seven specials, including special for best colored male and pair and best collection. This was the largest show of Buffs ever shown in this country.

A GOOD REPORT.

In renewing her ad. Mrs. James Osborne, Fabius, N. Y., writes: "I do not wish to miss a single number, as I receive more inquiries from THE FEATHER than from any other paper. My sales of eggs and stock have been good all through the season." Mrs. Osborne breeds prize-winning White Minorcas, and those desiring such should write her.

A BARGAIN.

Mr. Chas. Nixon, Washington, N. J., is now offering four White Wyandot hens and one cock at a great bargain, considering quality of stock. This pen has won prizes in hot competition. He has others also for less money. Mr. Nixon's stock is of the best and those wishing a bargain should write him at once for his figures on this prize pen. See his ad. elsewhere in this number.

A CORRECTION.

Last month we published a small reader to the effect that Mr. Frank Kline, Spring City, Pa., "won five prizes on five entries of his Buff Plymouth Rocks at Madison Square Garden, 1896-97." This is an error and should read that he won "five prizes on five entries of his White Homer Pigeons." Mr. Kline was not an exhibitor in the Buff Rock classes, his only entries being his White Homers.

AN EGG-PRODUCING FLOCK.

Editor The Feather:

I dislike greatly to encroach upon the valuable space in THE FEATHER, but I take the liberty of sending you the appended egg record, because I firmly believe that I have the greatest egg-producing flock in the United States. I have 86 S. C. Black Minorca hens, and this comparatively large flock of layers laid 2,094 eggs during the thirty-one days of May; this is an average of 24 15-43 eggs for each hen. I do not believe that there is a flock of similar size, of any breed, that has in any degree approached this record. This ought to prove interesting statistics to those who desire to know what breed is the best egg producer.

Fraternally,
Bel Air, Md. P. H. MCCORMICK.

PURE WHITE AND PURE BUFF.

Mr. W. A. Ryon, La Plata, Mo., has stock, in White Plymouth Rocks and Buff Cochins, which has few equals in this country. Mr. Ryon has spared no expense to have the best stock, and has devoted years to the breeding of these two varieties. He advertises his White Rocks as birds "that are white," and his Cochins as English Buff Cochins "that are buff." The plainness of these two assertions leaves no room for doubt as to the quality of his stock. Long experience has taught him just what to breed and how to breed it, and his records at the shows give him many winners. He is now booking orders for Fall delivery, and those who wish pure White Rocks and pure Buff Cochins will do well to write him for circulars and price list.

Very Satisfactory.

Editor The Feather:

My ad. in your journal has given very satisfactory returns. I could ask for no better.

Akron, Ohio. F. H. WEEKS.

Doing Quite Well.

Editor The Feather:

Your paper is doing quite well for me, I am glad to say. DR. F. M. ROBINSON.

Pawling, N. Y.

We Return Thanks.

Editor The Feather:

The May FEATHER does you credit, and we are pleased to note the steady advance of your journal. Wishing you continued success, we remain,

Fraternally Yours,
Fabius, N. Y. C. W. JEROME & CO.

In Our Favor.

Mr. Wm. C. Denny, secretary and treasurer of the American Buff Plymouth Rock Club, writes: "THE FEATHER is a great advertising medium. Have sold a large number of eggs this season due to my small ad. in it."

Laid Others Aside.

Editor The Feather:

I received a sample copy of THE FEATHER and was well pleased with it. When I read it I laid all other papers aside, for the one I want is the beautiful FEATHER. It is the greatest book in the world for the money; the cheapest and the very best too.

Fraternally,
GEO. J. BOETTNER.

An Appreciative Reader.

Editor The Feather:

Through your courtesy, I have received a copy of your valuable paper and wish to add a testimonial of its true value. I have been a poultry fancier my lifetime, and a constant reader of all poultry papers, but I have never found anything the equal of THE FEATHER, so far as clean editing and fine illustrations of pure-bred poultry are concerned.

Owing to the nature of my business, I was obliged to give up, five years ago, the breeding of poultry; but I am at it again this year and only too happy to add my name to your subscription list. All one can ask for may be found in THE FEATHER, and if one follows the teachings of your valuable paper, one cannot go astray. Long may it live and prosper.

Fraternally,
SAMUEL A. ELWELL.

A GREAT OFFER.

THE FEATHER WITHOUT COST

We have just arranged the details of a plan by which thousands of our friends who wish to take THE FEATHER will be able to secure it for a year without any trouble or any increase in their expenditures.

Read Our Plan:

Nearly every one interested in poultry is already taking one or more agricultural or poultry papers. These can be clubbed with THE FEATHER in such a way that our magazine may be secured immediately and without extra expense.

Any one who is now taking or who is going to take one of the papers mentioned below, costing one dollar or more, can by subscribing to THE FEATHER have the subscription price of our magazine deducted from this subscription to the other paper, *thus getting both papers for the price of one.*

Any one now taking or who is going to take two of the fifty-cent papers mentioned below can by subscribing to THE FEATHER have the subscription price of our magazine deducted from the subscription price of the other papers, *thus getting three papers for the price of two.*

Any one now taking or who is going to take any one of the fifty-cent papers mentioned below can by subscribing to THE FEATHER and sending ten cents extra secure both papers, *thus getting two fifty-cent papers for sixty cents.*

Any one subscribing for THE FEATHER for six months will be allowed a year's subscription to any fifty-cent paper mentioned below by paying twenty-five cents additional.

These offers have never before been equaled and our plan differs from any clubbing plan ever offered in allowing those who are already taking other papers to begin their subscription to THE FEATHER immediately by sending a small remittance to show their good faith and forwarding the balance when they wish to renew their subscription to the other paper.

We will send you THE FEATHER and one of these papers both for one year for the sum indicated below:

Farm-Poultry	$1 00
American Fancier	1 00
Pigeon News	1 00
Poultry Monthly	1 00
Rural Californian	1 00
McClure's Magazine	1 00
National Tribune	1 00
Chicago Weekly Inter Ocean	1 00
Atlanta Weekly Constitution	1 00
Recreation	1 00
Munsey's Magazine	1 15
National Stockman and Farmer	1 15

If you are already taking one of these papers and your subscription has not yet expired you may send us thirty-five cents now and receive THE FEATHER at once; the balance may be sent any time within a year, when you wish your subscription to the other paper to begin.

We will send you THE FEATHER and any two of these papers all for one year for one dollar; or

We will send you THE FEATHER and any one of these papers both for one year for sixty cents; or

We will send you THE FEATHER for six months, together with any one of these papers, for one year for fifty cents:

Reliable Poultry Journal	$ 50
American Poultry Journal	50
Fanciers' Review	50
New England Fancier	50
Ohio Poultry Journal	50
Poultry Keeper	50
Practical Poultryman	50
Southern Fancier	50

If you are already taking one of these papers you may send us thirty-five cents now and receive THE FEATHER at once; the balance may be sent any time within a year when you wish to renew your subscription to the other paper. If you wish to try THE FEATHER for six months in combination with one of the other papers, you may send twenty cents now and receive THE FEATHER at once, and the balance may be sent when you wish to begin or renew your subscription to the other paper.

Do not neglect this liberal offer. We have gone to enormous expense to publish the Best Illustrated Poultry and Pigeon Paper in the World and we are determined to place it in the home of every one interested in the Feathered Industries. This offer will remain good for one year from date. Single subscription to THE FEATHER, one year, fifty cents.

THE FEATHER will continue to improve with each number and subscriptions should be commenced at once, as you will want the volume for 1897 complete and back numbers are difficult to obtain.

Address all orders to

George E. Howard & Co., Publishers,
Central Power Station, Washington, D. C.

THE MT. GRETNA SHOW.

The poultry department of the Mt. Gretna Agricultural, Mechanical and Industrial Exposition will again be made one of the leading features of the exposition. The great success of the poultry show last year need not be mentioned here, as every poultry fancier who had an exhibit there will testify. The show is conducted upon up-to-date principles, and the last one was almost equal to any held in this country. The dates for the coming exposition are August 16-20, inclusive. It being the first poultry show of the season, it is particularly advantageous to exhibitors of young stock which will enable them. after having been judged, to ascertain the best, preparatory to the Winter shows; also the buying and selling of same.

The cash prize money offered by the exposition will, as usual, be paid in ten days after the show. Exhibitors who visit the show will be paid premium money on the last day of the show.

Thousands of people of all classes, especially farmers and mechanics, will visit the exposition, and thus have an opportunity to study thoroughbred poultry. This advantage alone is of great value to the breeders, and will certainly induce some of the visitors, who have ordinary stock, to higher aims in the poultry business. At the large Winter shows which are usually held in cities, you will only find those who are directly interested. Here we have the masses, 15,000 people being in attendance in one day last year.

The show will again be held in the large exhibition building, 130x70, especially erected for the purpose. It is well lighted and ventilated, sky-lights and windows all around the four sides, under lock and key at night, and well guarded.

The railroad facilities for the transportation and receiving of stock are unsurpassed. Owing to some of the exhibitors protesting against the traveling poultrymen, commonly called "hucksters," the executive committee has decided not to accept entries from them; but the exclusion of these poultrymen will mean a heavy loss of entries, and as compared with last year it will mean at least 1,000, it has, therefore, become necessary to fix upon a new schedule for the payment of cash premiums, at the same time avoiding the very objectionable limit rule, *i. e.*, that of paying second money to first where a class has less than four entries, and it also avoids another rule which has been lately tried and failed miserably, *i. e.*, to return all entries where classes are not filled, so as to cover entrance money.

The following is what the association has adopted: Six entries, first premium, $2.00; second premium, $1.50. Five entries, first premium, $1.75; second premium, $1.25. Four entries, first premium, $1.50; second premium, $1.00. Three entries, first premium, $1.25; second premium, 75 cents. Two entries, first premium, $1.00; second premium, 50 cents. One entry, first premium, 50 cents.

For breeding pens on the same basis; viz.: Six entries, first premium, $10.00; second premium, $7.50. Five entries, first premium, $8.75; second premium, $6.25. Four entries, first premium, $7.50; second premium, $5.00. Three entries, first premium, $6.25; second premium, $3.75. Two entries, first premium, $5.00; second premium, $2.50. One entry, first premium, $2.50.

Entry fees, 50 cents a head, either single entry or in breeding pen, *i. e.*, breeding pens, $2.50.

While the above schedule of premiums is something new, it is hoped that the breeders and fanciers will favor it and give the show their full and hearty support, always remembering that it is the desire of the Mt. Gretna Association to make the poultry show first-class in every respect, and that none but good, honest and upright breeders and fanciers are wanted here; and it is also hoped that every exhibitor, as well as owners of fancy stock, will make a special effort to visit the show, and become acquainted with each other. The classification will be about the same as last year. A number of special cash premiums will also be offered.

The premium list will be ready for distribution about June 15th.

Mt. Gretna is a delightful Summer resort, and we urge you to visit the show with your families and spend the week. Furnished cottages can be rented cheaply, and boarding can be had at very low rates on the grounds.

M. B. BLAUCH, Manager.

WHITE WYANDOTS,
Prolific Layers.

NARRAGANSETT TURKEYS,
Large, Hardy, and Early Maturing.

It has been our aim for years to breed good, thoroughly practical birds.
Winners at White River Junction, Vt., Woodstock, Vt., Boston, and Grand Sweepstakes at St. Johnsbury, Vt.
Stock and Eggs for Sale at All Times.

THE BROOKSIDE POULTRY FARMS,
W. E. MACK, Proprietor. Woodstock, Vt.

WHEN Writing our advertisers always mention The Feather.

TOO LATE TO CLASSIFY

GREAT BARGAINS—Eggs from S. C. Brown Leghorns, scoring from 90 to 94, at 50 cents per setting for balance of season. Seven prizes on five entries at Rochester, 1897. Stock for sale. (Forsyth Strain.) FRANK G. RICE, Dansville, New York.

HOMERS—If you want good youngsters from birds with guaranteed 500-mile records at $3.00 per pair, or old record birds for breeding at $5.00 per pair, write, enclosing stamp, to L. B. NYE, 936 O Street, N. W., Washington, D. C. References, E. S. Schmid, 712 12th Street, N. W., or the editor of this paper.

WHITE FANTAIL PIGEON is the proudest, handsomest pigeon that walks. Have bred them for twelve years. Mated pairs, $1.50 up; Homers, mated pairs, 75 cents. Satisfaction guaranteed. N. S. GRAYBILL, Richfield, Pa.

1897—LONG-MUFFED TUMBLERS in White, Black, Red, Yellow, Blue and Silver, bred from noted strains, and sold for want of room only. None better. Good chance to buy prize winners. Also a friend's two odd Black Russian Trumpeter cocks (Rommel's Strain). Stamp for reply. A. BESCHE, 1241 William Street, Baltimore, Md.

NIXON'S WHITE WYANDOTTES are for sale; viz., the cock that won 1st at Trenton and 3d at New York; 1st hen at Trenton; 5th hen at New York, and two pullets equally as good. Price, $50.00. Yearlings at bargains. CHAS. NIXON, Box C, Washington, N. J.

WHITE MINORCAS—At Rochester, '95, won all 1st prizes; at Syracuse, '96, all 1sts; at Elmira, '97, all 1sts and 2ds. 18 yearling hens and 2 cockerels for sale cheap to make room for young stock. Eggs at half-price. MRS. JAMES OSBORNE, Fabius, N. Y.

YEARLING—S. C. White and Buff Leghorns, Dark Brahmas and Barred Plymouth Rocks for sale at 75 cents each; nice, large, healthy pure-bred fowls, all noted strains, such as Knapp's, Arnold's, William's and Lambert's. Stock not satisfactory can be returned and money refunded less express charges. Send forth your order at once. H. S. CHRIST, Pine Grove, Pa.

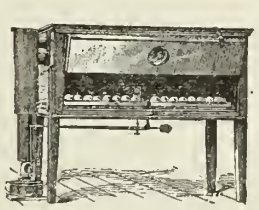
DENNY'S Buff Rocks are not behind the times, as their record at the great Rochester show will prove. More 1sts and 2ds at this great show than any other exhibitor; also two out of three color premiums offered. Yearling breeders for sale. WM. C. DENNY, Rochester, N. Y.

FORTUNE KNOCKS ONCE AT EVERY MAN'S GATE.

EGGS BARRED PLYMOUTH ROCKS, Ringlet Strain....
INDIAN GAMES, Babcock's Strain.

Illustrated circular free.

G. M. BASTABLE, CALVERTON, VA.



Petaluma Incubators and Brooders.

W. K. HOWE, Agent, No. 24 Bee St., Charleston, S. C.

THE PETALUMA uses the least oil. Consumes the least time in taking care of it. The most perfect in regulation of temperature. Can be left alone the longest with safety. Has nothing to get out of order. Eggs turned instantly. Lightest in weight; hence, lowest freight charges. Hatches the largest percentage of good, strong, vigorous chicks. It is the easiest to manage and the best machine on the market. Circular free. Breeder of first-class Imperial Pekin Ducks, Single Comb Brown and Buff Leghorns and Black Minorcas. Eggs at popular prices.

Do You Know Rockville? You Should.

IT'S WHERE THE NEWEST SHOW IS HELD.

August 31, September 1, 2 and 3, 1897

Single bird prizes, $1.00 firsts; 50 cents seconds.
Pigeons the same.
Entry fee, 25 cents per bird.
For information address

◆ ◆ ◆ ◆

P. C. RILEY, Supt., Oakdale, Md.

◆ ◆ ◆ ◆

The Montgomery County Fair==Same Days...

John E. Muncaster, Sec'y., Norbeck, Md.

CLASSIFIED ADVERTISEMENTS

Fully prepaid advertisements of five lines or less inserted under this heading at the following rates:

One time	$ .50
Three times	1.00
Six times	2.00
One year	3.50

Copy may be changed as often as desired, though we advise running a standard ad. when possible, in order that buyers may become acquainted with it. Length of ad. is not limited, but each line or part of line in excess of five will be charged for at the rate of 8 cents for one month, 20 cents for three months, 35 cents for six months and 65 cents for one year. Space may be estimated at the rate of seven words to the line, counting each number and initial as a word.

PLYMOUTH ROCKS

PLYMOUTH ROCKS—Barred and White. Hundreds of fine breeding and exhibition birds for sale; bred in line for years from high scoring stock. Also Buff Cochin Bantams. Write for prices on what you want and mention THE FEATHER. F. J. MARSHALL, Sunny Side, Ga.

WILSON'S FIRST PRIZE WINNING BUFF PLYMOUTH ROCKS. World's Fair, '93; Troy, N. Y., '94; New York, '95. At the recent New York Show won 1st, 2d and 4th cock; 1st, 3d and 4th hen; 1st and 3d cockerel, and 3d and 5th pullet. Eggs, $5.00 per 15; discount on two or more sittings. J. D. WILSON, Box 127 C, Worcester, N. Y.

FREDERICK E. COLEMAN, breeder and shipper of Barred Plymouth Rocks exclusively. Eggs, $1.25 per 13; $2.00 per 26. Box 22 A, Manchester Green, Hartford Co., Conn. Mention The Feather.

HAWKINS' Pure Strain of B. P. Rocks and Silver and White Wyandots. Some high-scoring cockerels yet for sale. Eggs from these three varieties, $1.50 per 13; Black Minorcas, $1 per 13. R. L. MAGNESS, Wheel P. O., Harford Co., Md.

BARRED PLYMOUTH ROCKS exclusively—70 choice yearling hens for sale, best strains, after June 1st at $1.50 to $2.00 each. Guaranteed as represented. Eggs, $1.50 per 15; $5.00 per 100. Correspondence promptly answered. WM. R. PAGE, Avon, N. Y.

S. W. HUNSBERGER, South Hatfield, Montgomery Co., Pa.—I have one pen of Buff Plymouth Rocks, bred out of New York show first prize winners. The cockerel that heads the pen won 1st on pen at Reading. Eggs, $4.00 per setting.

BUFF PLYMOUTH ROCKS EXCLUSIVELY Winners at Chicago. Clean sweep at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

BUFF P. ROCKS—If you want stock that is sure prize winners, try my eggs, $2.00 per 13; $4.00 per 30. No better in the United States. Insure good hatch. Square dealing. JAS. S. WARNE, Washington, N. J.

MILLER'S White and Barred Rocks are sure winners. Eggs, $2.00 per 13. One White Rock cockerel for sale, price $5.00; score 91. Address B. D. MILLER, Box 52, Providence, R. I.

CLOVER POULTRY FARM, L. F. Giering, Bethlehem, Pa., breeder of thoroughbred B. P. Rocks, S. C. B. Leghorns, Golden Sebright Bantams. Birds have unlimited range of a large farm. No eggs shipped over three days old. $1.00 per 13. Circular free.

LOCUST GROVE POULTRY YARDS—Barred Plymouth Rocks and S. C. Brown Leghorns a specialty. Eggs, $1.50 per 15; $2.50 per 30. Satisfaction guaranteed. Poultry paper free 1 year with every order. C. J. MEETZE, Bristow, Virginia.

MONROE POULTRY YARDS—By careful mating and sparing no expense our birds are solid buff. This season we guarantee a large percentage of Buffs hatched from our yards. Buff Rocks, Buff Wyandots, Buff Cochin Bantams. Eggs, $2 and $1 per setting. BORN BROS., Stroudsburg, Pa.

BUFF PLYMOUTH ROCKS—I breed them exclusively because they are the best "all-purpose fowl" ever offered. Five yards of extra large, "up-to-date" birds, with pure undercolor, as "buff to the skin" as Cochins. No feathered legs; no white; Buff Rocks have skin, pin-feathers and legs same golden yellow. Eggs after June 1st, two settings, $3.00. After July 1st, to make room for hundreds of chicks, offer my this-season's breeders low, quality to govern. Write H. S. BURDICK, Rome, N. Y.

BUFF PLYMOUTH ROCKS and Buff Leghorns—Prize birds at Illinois State and other big shows, 1897; others got by Madison Square Garden winners. Best strains. Eggs for sale. If you wish the best, address C. J. STUCKEY, Box 337, Lincoln, Ill.

MARBURGER'S BARRED ROCKS—Exhibited this season at Mt. Gretna only. Won the principal prizes, including 1st cock and 1st cockerel. A few good breeders for sale yet. After April 15th I will sell 40 hens and 5 cocks at half price. A. W. MARBURGER, Lock Box 19, Denver, Pa.

LEGHORNS

EGGS from prize S. C. B. Leghorns scoring from 91 to 94 at $1.00 per 13. Thirteen prizes on seventeen entries in '96; ten prizes on eleven entries in '97. Two eggs extra if you mention The Feather. W. B. GERMAN, Specialist, Dansville, N. Y.

WAYNE POULTRY YARDS, Coatesville, Chester Co., Pa., J. H. Scherer, Prop.—S. C. B. Leghorns exclusively. Prize winners wherever shown. Stock and eggs for sale at all times. Write for prices. Mention The Feather when writing. Also Gordon's Poultry Food for sale.

LEGHORNS A SPECIALTY—White, Brown, Black, Dominique and Silver Duckwings. Winners at the leading shows. At the recent Wilkes-Barre Show I had 16 entries, won 16 prizes; 12 1sts, 2 2ds and 2 3ds. Some fine stock for sale. Eggs in season. Write for prices. GOOD WILL POULTRY YARDS, 413 North 10th St., Allentown, Pa. Wm. H. Heimbach & Co.

W. A. PIERCE, West Chester, Pa.—Rose Comb Brown Leghorns exclusively. Breeding and exhibition birds for sale; also, eggs in season. 1st pen, West Chester, Pa.; 2d on cockerel and 3d on pullet, Pottstown, Pa. Write for prices. Mention The Feather.

OUR SPECIALTY, White and Buff Leghorns; also Buff and W. P. Rocks, Lt. Brahmas, Blue Andalusians, G. P. Hamburgs, Red Caps. Eggs, $1.50 per 13. B. Leghorns, Black Minorcas, S. S. Hamburgs, White and Silver Wyandots, $1 per 13. Many of them winners in good company. HAMME BROS., Smith's Station, York Co., Pa.

R. C. B. LEGHORNS, "Shoemaker's strain from Ill.," as fine as anyone can find. Eggs for sale, $1 a sitting; also White Minorcas, Thomas A. Duff's strain, Canada, up to the standard, $2 a sitting. Mention The Feather. Mrs. D. W. WITTER, Newmanstown, Pa.



SINGLE C. B. LEGHORNS—Never fail winning all first prizes wherever shown. My yards for '97 have all been scored by J. Y. Bicknell, 90 to 95. Catalogue for stamp. L. O. BROMLEY, Forestville, N. Y.

CEDAR HILL POULTRY FARM—Write to Cedar Hill Fruit and Poultry Farm for prices on Single Comb Brown Leghorn, Barred P. Rock and Buff Cochin fowls and eggs. Some fine surplus cockerels of first-named breeds for sale low. Eggs for incubator use, $5 per 100; good common eggs, large breeds, $2 per 100. R. S. COLE, Harmans, Md.

BRAHMAS

LIGHT BRAHMAS. STEPHEN SPENCER, Morris Plains, N. J. Originator and breeder of the famous Duke of Morris Strain of Light Brahmas. Eggs $2.00 and $3.00 per sitting. Buff Pekin Bantam eggs, $3.00 per sitting. Buff Cochin eggs, $4.00 per sitting. Light Brahma cockerels, $2.00 to $5.00. When writing for wants mention The Feather.

L. H. MORSE, Newark, New York, originator and breeder of the famous Imperial strain of Light Brahmas. Choice selected breeding cockerels, $2 each, that are strictly of prime quality and are worth $5 each. Perfect satisfaction guaranteed or money refunded. Eggs from selected matings of Light Brahmas and Gold Laced Sebright Bantams, $2 per 13.

LIGHT BRAHMA eggs for hatching. Bred for general utility. Large size, vigorous stock, prolific layers of beautiful large brown eggs. 75 per cent. fertility guaranteed. $1.50 per 13. No discount for quantities. See display ad. page 286. HARTNEST FARM, Framingham, Mass.

CHESTNUT GROVE POULTRY YARDS. Josias J. George, proprietor. Yards at Jenkins P. O., Long Green Valley, Baltimore Co., Md. City address, 443 North Street, Baltimore, Md. "Autocrat" strain Light Brahmas. Early-hatched cockerels and pullets for sale. Cockerels, $3.00 to $5.00; trios, $5.00 to $8.00. Yard headed by cockerel 1st prize at Washington, 1897.

CHOICE UP-TO-DATE STOCK of Lt. Brahmas, Single Comb Brown Leghorns and Barred Plymouth Rocks. Eggs, $1.00 per 13. Satisfaction guaranteed. If you wish high quality and fair treatment, address J. M. PORTER, Morristown, N. J.

GAMES

CORNISH INDIAN GAMES from River-View Poultry Yards are prize winners. Nothing but the best. Stock and eggs for sale. Also, breed Black Minorcas, Light Brahmas and Barred Plymouth Rocks as good as the best. Write what you want. H. M. CARPENTER, Proprietor, Sing Sing, N. Y.

WADE H. D. WARFIELD, Sykesville, Md.—"Gold Leaf" strain of Black Red Games. Mating No. 1—Imported birds; cock stands 32 inches and weighs 9 pounds, 5 ounces; eggs, $5 setting. Mating No. 2—Headed by 1st and special as cockerel at Washington; to him are mated 1st and 2d hens at Washington, 2 Spaulding hens and 2 Peirce hens. Also Silver Duckwings, Pyles and White English Games. All my birds of each variety are heavy weights, though in breeding for size I do not sacrifice Game characteristics. Fanciers wishing to bring up their stock in size and at the same time retain all fine points, will find such birds from my matings. Circulars free.

WYANDOTS

WHITE WYANDOTS, Golden Wyandots, White Plymouth Rocks, Partridge Cochins, Buff Cochins, Buff Leghorns, S. C. Brown Leghorns, S. C. White Leghorns, R. C. White Leghorns, Pekin Ducks. Stock for sale. Circular free. Show record unsurpassed. Eggs, $1.50 per 13; $8.00 per 100. P. L. DWIGHT, De Ruyter, N. Y.

S. L. WYANDOTTES—Thoroughbreds only. Fine healthy stock, having free range on 100 acres. Cockerels, $1.00, $2.00 and $3.00; pullets, $1.00 and $2.00. Eggs in season, $1.00 to $2.00 per sitting, according to matings. J. M. HAMBLIN, Highlawn Farm, Vienna, Fairfax Co., Va.

G. E. HALTEMAN, Tiffin, Ohio, offers "eggs" from his prize winners, "Golden Wyandots," grand in color and symmetry; winning 21 prizes at three shows this Winter. Cock, 94; pullets, 94, 93½, 93½, 93, 93, 92½ and 92. Bridge, Bicknell and McClave, judges. Also, Partridge Wyandot eggs. Stock for sale. Circular free.

WHITE WYANDOT EGGS from large, healthy white birds; nearly every bird in yards has won prizes. Write for awards won at West Chester, Trenton, Elkton, Hagerstown and Mt. Gretna. Why pay $3.00 to $5.00 when you can get just as good at $1.00 per 13 from FRANK S. PIERCE, West Chester, Pa.?

GOLDEN WYANDOTS that win. At Owensboro, Dec. 29 to Jan. 2, 1st Cock, 91; 1st and 2d Hen, 92—90½; 1st and 2d Pullet, 93¼, 91¾; 1st Breeding pen; special for highest scoring Wyandots. At Louisville, Ky., State Poultry Show, 2d and 3d Cock, 91, 88; 1st, 2d, 3d Hen, 93½, 93, 90¼; 1st, 2d, 3d Pullet, 93½, 93, 92. Also breeder of Black Langshans and B. P. Rocks. Eggs, $2.50 per 13; Pen No. 1 B. Langshans and Golden Wyandots, $2.50 per 13. W. E. KEMP, New Albany, Ind.

SILVER LACED WYANDOTTES EXCLUSIVELY. None better, few equal. Number of excellent breeding birds from $2.00 upward. A few extra fine exhibition birds; prices on application. Eggs in season, from best matings, $2.00 per 15. Satisfaction assured. THEO. E. F. HOLZHAUSER, Broad River Poultry Yard, Columbia, S. C.

EGGS ABSOLUTELY FREE from large farm-raised S. L. Wyandots. Pen 3 headed by magnificent cock; finest comb and breast I ever saw. Pen 3 averaged 20 3-7 eggs apiece in March; $2 per 13, $3.50 per 30. Two "Wooden Hens" for sale or exchange. W. O. SANDERS, Deer Lick, Pa.

COLUMBIAN WYANDOTS, the new variety having the beautiful markings of the Light Brahma—Eggs, $4 per 13; $10 per 39. Also prize-winning Golden Wyandots, having the open, rich mahogany centers so much sought after by fanciers. Eggs, $2 per 13; $5 per 39. Mention The Feather. L. H. DAVIS, Port Jefferson, N. Y.

COCHINS

H. A. LOGUE, Hagerstown, Md.—Buff Cochins exclusively. Winners at Mt. Gretna, Pa., Carlisle, Pa., and Hagerstown, Md., 1895 and 1896. At Hagerstown, 1896, with 3 entries, won 1st on pullet, 2d on cock and 2d on pen. Eggs, $2 for 13.

BLUE RIBBON WINNERS at New York, 1st and 4th Cock, 1st and 3d Hen, 1st Pullet, 1st White Pen, 1st Black Pen, and my past record at Washington, New York, and other places on my Black, White and Buff Cochins. Eggs from my prize-winners, $2 per 13. Stock for sale. GEO. E. WRIGHT, Patterson, N. Y.

EGGS, ONE DOLLAR per 13—Buff Cochins, Indian Games, W. Wyandots and Redcaps. Get the best at the lowest price. Stock carefully mated for best results. Satisfaction guaranteed. FENTON SHERWOOD, Suffern, N. Y.

$1.50 FOR 15 EGGS, $2.50 for 30, from thoroughbred American Buff Cochins (heavy weights); large size, vigorous stock, full feathered, and solid buff in color. A good hatch guaranteed. H. S. CHRIST, Pine Grove, Pa.

MINORCAS

MINORCAS FOR PROFIT EVERY TIME—Thoroughbred high-scoring heavy weights, headed by a 7¾ pound, 92 point cockerel; 5 of those laid 140 eggs last April; $1.50 per 13, $2.25 per 26; 9 chicks guaranteed or will duplicate order for 25 cents a setting. A. H. FLUCK, Dubuque, Ia.

BREEDER of Black Minorcas, Buff Cochins and Barred Plymouth Rocks. My cocks of these three strains are hard to beat anywhere, as shown by the scores made by each. My 1897 birds will do better, as shown by the make-up of the pens this year. Eggs, $1.50 per 13. Address RIVERVIEW POULTRY YARDS, Allegheny, Pennsylvania.

BLACK MINORCAS—My stock is first-class. Every honest endeavor made to please all customers. Eggs from fine prize winners at $1.50 for 15. R. B. RAGSDALE, Munson St., Knoxville, Tenn.

NORTHUP'S MINORCAS win more prizes for his customers than any other four strains combined. Catalogue (free) contains pictures of 21 most noted Minorcas in America. Stock and eggs for sale. Hatch guaranteed regardless of distance. GEORGE H. NORTHUP, Box 307, Raceville, N. Y.

G. R. WILLSON, West Thomas Street Rome, Oneida County, N. Y. — Originator and breeder of the Metallic-green Strain of Black Minorcas exclusively. Great station and heavy weight. At the Utica Show, 1897, I won 1st cock, scored 94 with comb frosted; tie 1st hen, 95; 1st cockerel, 95; tie 2d pullet, 95; 2d breeding pen, 188⅝; tie 3d cockerel, 94. Rockenstyre, judge. At the Oneida Show, 1895, I won 1st pair fowls, 91½, 93; 1st pair chickens, 95, 94; 2d pair chickens, 92½, 94. Bicknell, judge. Eggs, $2 per 13. Stock always for sale. Write for circular.

DAVIS' BLACK AND WHITE MINORCAS stand on their merits. Winners at America's greatest shows. Eggs, $2.00 per 13; $5.00 per 39. A few fine birds for sale cheap. Order now. S. H. DAVIS, Lansing, Mich. Mention The Feather.

POLISH

AMERICA'S best in White Crested Black, Buff Laced and Plain Golden Polish. Great sweep at Hagerstown, New York and Washington. First prize winners at Madison Square Garden, N. Y., head my yards. Fowls and eggs in season. Send for list of premiums won. J. W. BRUCKART, Lititz, Pa.

POLISH—S. F. Gulliford, Akron, Ohio., "The home of the Polish fowl," White Crested Black, Bearded Golden, Bearded Silver and Bearded Buff Laced Polish. For the last twelve years my Polish have stood without a rival at our greatest exhibitions.

LANGSHANS

MRS. J. J. HAYSLIP, Bartlett, Tex., breeder of high-class prize-winning Black Langshans. Eggs in season, $2.00 per 13. Price of fowls, a matter of correspondence. My birds are from the well-known breeders, Wm. M. Hughes, Albert Lemen and Mrs. M. A. Smith, mated for the best results by H. B. Savage.

HAMBURGS



MAYO'S SILVER SPANGLED HAMBURGS have been long and favorably known as the best strain and most typical of all the S. S. Hamburgs in the United States, won at the late New York show, Washington, D. C., Boston, Scranton and everywhere shown. Eggs, $2.00 per 15. Stock for sale at all times. Stamp for circular. JAMES MAYO, Pittston, Pa.

JULIUS FRANK, 837½ Bowery, Akron, Ohio, breeds the Hamburgs exclusively. My birds are known North, South, East and West, and have shown themselves such as winners in 1896 and 1897 at Washington, Pittsburg, Cleveland and Carey. Eggs and stock for sale.

SPANISH

WHITE-FACE BLACK SPANISH a specialty for thirty-three years. One kind only, at full range; hence they are bright and eggs will hatch. Eggs, $1.00 per 13. Circular and my photo. free. JOHN BENNETT, Sunman, Ripley Co., Ind. 1897 cockerels for sale.

BANTAMS

SILVER SEBRIGHT BANTAMS—For sale, exhibition birds and breeders in pairs or single. Finer this year than ever. Bred from winners at World's Fair, New York and other leading shows. Write for prices and say what you want. Mention The Feather. A. C. TREICHLER, M. D., Elizabethtown, Pa.

HENRY R. MINNER, Hereford, Berks Co., Pa., breeds eleven varieties of fowls, five varieties of Bantams. Stock and eggs for sale. New catalogue for 1897 for a stamp. Write and get my prices.

GOLDEN and Silver Sebright, Black Rose Comb, Silky, White Crested White Polish, White, Black and Black Tailed Japs, Buffs, Black and White Cochin Bantams; Fantails, White, Colored, Saddles, Tails and Splashes. Write for wants. My prices are low. Stock first class. IRVIN S. MILLER, 397 Chew St., Allentown, Pa.

WHITE COCHIN BANTAMS, Black Cochin Bantams, Buff Cochin Bantams—See my record at New York and Boston. No Buffs for sale until September. Only a few Blacks and Whites left. No eggs. DR. WM. Y. FOX, Taunton, Mass.

WALLICK BROS., York, Pa.—Breeders of twenty varieties of Bantams, Guinea Pigs, rabbits and fancy pigeons. Write for wants. To make room will sell cheap S. S. and G. S. cocks; also Pit Game that fights.

FANCY PIGEONS

ARCHANGELS—I breed prize-winning Archangels exclusively. Winners at nearly all the leading shows in 1895 and 1896. Two 3ds at Boston Exclusive, 24 birds competing; 1st and 3d at Louisville (Ky.) Exclusive, in the young bird class. Birds for sale at $2.50 to $25.00 each. J. H BURLEY, Shillington, Pa., Secretary of the American Archangel Club.

JACOBINS—High-class specimens at very low prices. F. A. SCHOFER, Reading, Pa.

FANCIERS, here are bargains in Tumblers—Baldheads, Saddles, Magpies and Solid Muffed Tumblers in all colors; also, Crested Whites and Yellow Rose Wings. Have a few English and African Owls, Solid Colored Turbits, Magpies, Jacobins, Swallows, Barless Blue and Silvers, White and Black Barred. Won 25 premiums on my birds at the late Wisconsin State Fair. Satisfaction guaranteed. Address, with stamp, C. F. CHAMBERLAIN, 1014 Bartlett St., Milwaukee, Wis.

BOLINE LOFTS—Theo. Wariner, 324 West Baltimore Street, Baltimore, Md., breeder and importer of Blondinettes and Rosewing Tumblers. About seventy of above varieties for sale, all from imported stock.

INSIDE TUMBLERS EXCLUSIVELY—For disposal, one pair Black, Red, Yellow, Dun and Yellow Splash. All close performers and breeders. Price, $5.00 a pair. Also 1st prize cock and 1st hen at late Boston show. P. A. SCHEID, Lancaster, Pa.

C. W. MATTHIAS, Milton, Pa., offers fancy pigeons, all colors, at greatly reduced prices to close out. Wing and solid Turbits, Jacobins, Swallows, Satinettes, Turbolinettes, Magpies, Blondinettes, Fantails, Owls, Baldhead Tumblers, Bluettes, Performing Tumblers, per pair, $1.00, $1.50, $2.00.

WHITE SCOTCH FANTAILS—The Holbrook Lofts can supply these popular and beautiful birds for breeding or exhibition that are right in quality and price. E. A. HOLBROOK, Winchester, Mass.

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HOMING PIGEONS mated for flying or squab breeding, $1.00 and $2.00 per pair. Books on Breeding and Training, 25 cents (stamps); Money in Squabs, 20 cents; Pigeon Queries, 25 cents; Dogs, Rabbits, Cage Birds, Poultry, 10 cents each. Seamless and open aluminum leg bands, pedigree blanks and cards. Catalogues free. F. L. HOOPER, Station D, Baltimore, Md.

HOMING PIGEONS—Owing to crowded lofts, must dispose of ten pair record breeders and surplus '97 hatched youngsters from parents with records of 100 to 500 miles very reasonable. Stamp for circular. Satisfaction and pedigres given. THE SOUTHERN LOFTS, 716 21st St. N. W., Washington, D. C.

THE KESWICK LOFTS, D. R. Gaines, proprietor, Central Avenue, Rockland, Mass., breeder and flyer of the speediest and most reliable Homing Pigeons. A few breeders and youngsters for sale; reasonable, considering quality. Satisfaction guaranteed. Pedigrees furnished.

DUCKS

BLINCO POULTRY YARDS—Eggs from Barred Plymouth Rocks, Single Comb Brown Leghorns, Light and Dark Brahmas and Pekin Ducks. Stock all sold. Breeding stock has large range, insuring fertile eggs. Prices reasonable. I. E. DAVIS, Dallas, Ohio.

IMPERIAL PEKIN DUCK eggs for hatching, 10 cents each. Buff Leghorn eggs, $1 per 13. Stock for sale at all times. JOHN WIEGAND & SON, Frostburg, Md.

MISCELLANEOUS

HOMER CITY Poultry Farm breeds choice strains of B. Langshans, B. P. Rocks, S. Laced and White Wyandots, S. C. Brown, R. C. Brown, S. C. White and Buff Leghorns, Black and White Minorcas, S. S. Hamburgs and Blue Andalusians. Some choice cocks and cockerels for sale. Eggs for hatching at $1.50 for 15; two or more sittings, $1.00 each. Orders booked now for Spring hatching. C. W. TUCK, Homer City, Pa.

MIKADO POULTRY FARM, Charlotte, Mich Place your orders for eggs now. Of course you know the quality of our stock. We can please you. Buff, Partridge, and Black Cochins, Light and Dark Brahmas, S. C. Leghorns, White Wyandots, S. S. Hamburgs, Imp. Pekin Ducks and Guineas. Eggs, $2.00 per sitting and guaranteed to hatch. Stock for sale at all times. Agents wanted for our Mikado Poultry Food.

PRIZE WINNERS—25 prizes won on my birds at Amesbury, Mass., and Manchester, N. H. Barred P. Rocks scored 93½; Black Langshans, 95; Black Minorcas, 96½. If you expect to be in next season, purchase eggs and stock from me. Fine breeding stock for sale. Eggs, $2.00 per sitting. Stamp for eight-page circular. W. T. GREENE, Hopkinton, N. H.

COUNTY LINE Poultry Yards breed the choicest strains of Light Brahmas, Barred and White Plymouth Rocks, S. C. Brown Leghorns, Mammoth Bronze Turkeys, Toulouse Geese and Rouen Ducks. Stock for sale. Eggs in season. Send for price list, with prizes won. A. G BARLOW, Millers, N. Y.

RIVERSIDE POULTRY YARDS Hoffmans, N. Y.—Breeders of Light Brahmas, Barred Rocks, Buff Cochins, Partridge Cochins, White Wyandots, Single and Rose Comb Brown and White Leghorns. My yards contain nothing but high-scoring birds and guarantee satisfaction every way. Eggs, $1.00 per sitting. Send for circulars. E. W. KELDERHOUSE, Prop.

JAMES M. SMITH, Box 499, Perkiomenville, Pa.—Breeder of all leading varieties of prize-winning poultry. Stock for sale. Eggs for hatching. Prices to suit the times. Eggs $1.00 per 15. Fine catalogue free.

EGGS, $1.00 per 13; $1.50 per 26. Barred Rocks, Light Brahmas, Buff and White Leghorns, Game Bantams, Pekin Ducks, Homing and Tumbler pigeons. J. H. MILLER, Ligonier, Pa.

EGGS FOR HATCHING from Rose and Single Comb White, Single Comb Brown and Buff Leghorns, S. S. Hamburgs, White Crested Black Polish, 13 for $1. Fowls for sale at all times. HOMER J. BROWN, Harford, Cortland Co., N. Y.

FIFTEEN varieties of thoroughbred poultry—prize winners. Eggs, 15 for $1; 30 for $1.75; 45 for $2.50. Stock for sale. Pekin Duck eggs, 11 for $1. Eggs assorted to suit purchaser. Magpies, $2 per pair; Blue Beards, $1 per pair. Breeding yards, York, and one mile east of Longstown. A. C. FULTON, York, Pa.

EGGS—Pekin Ducks' by the sitting or 100 (Rankin and Pollard strains direct); Light Brahma, Barred and White Rocks, R. C. W. Leghorn, W. C. B. Polish, White Guinea, B. B. R. Game Bants. These birds won at Binghamton, N. Y., Scranton and Wilkes Barre, Pa., this Winter. Write. E. F. TIFFANY, Brooklyn, Pa.

LONGMEADOW POULTRY YARDS—Barred P. Rocks, W. Wyandots, P. Ducks and Mammouth Toulouse Geese. My B. P. Rocks and W. Wyandots are from the best laying strains of large brown eggs. B. P. Rocks, $2 per 13; W. Wyandots, $1.50 per 13, two sittings, $2.50; P. Ducks, $1.25 per 11; Toulouse eggs, 35 cents each. Orders booked now. G. A. BAER, Longmeadow, Mass.

HARD TIMES—One dollar per fifteen for eggs from choice matings. Silver and White Wyandots, Indian Games, R. C. B. Minorcas, Buff Cochins, Buff, Brown and Black Leghorns and R. C. W. Leghorns, Buff Pekin Bantams, Toulouse Geese, Blue Andalusians and S. S. Hamburgs. F. H. DAVEY, Minisink, N. Y.

E. S. LAMBERSON, Frankfort, N. Y., breeds White Crested Black Polish, Black Minorcas, White Plymouth Rocks, Cornish Indian Games; 15 eggs, $1. Trio Polish, $5; cockerel, $2. Pen of Minorcas for sale. Single express rates. Satisfaction guaranteed.

EGGS AND STOCK of the best fowls and Bantams for sale and exchange. 1896 won hundreds of prizes. Write for what you want and I will furnish it reasonably. JOHN DREW, New Milford, N. Y.

WHITE Muscovy Duck eggs, $2.00 per 15; Pearl Guinea eggs, 50 cents per 15. Also Rose and Single Comb White Leghorns, White Langshans, American Dominiques, Dark Brahmas and Silver Gray Dorkings; eggs, $1.00 per 15. RUFUS C. TUXBURY, Amesbury, Mass.

CHENANGO RIVER Poultry Yards, Greene, N. Y., L. J. BEARD, Prop.—Rose Comb Black Minorcas, Single Comb Black and White Minorcas, Buff and Black Leghorns, Rose and Single Comb Brown and White Leghorns, White and Barred Plymouth Rocks, Golden and White Wyandots, Andalusians, Light Brahmas, White Face Black Spanish, Red Caps and Pearl Guineas. Mixed orders taken. Eggs, 15, $1.00; 30, $1.50. Pekin Duck eggs, 11, $1.00.

J. R. PIPER, JR., 10 Market St., Morristown, N. J.—Prince of America's Light Brahmas and Silver Laced Wyandots. Piper's Celebrated Games of many varieties, also other kinds of stock for sale. Eggs, $2.00 and $3.00 per setting. Write.

REDUCED PRICES—Will sell eggs the balance of the season from Buff P. Rocks and Buff Leghorns at $1.00 per 13; from White P. Rocks and Brown Leghorns, 75 cents per 13. Stock first-class and some for sale. JOHN H. HELLERMAN, Box 133, Doylestown, Pa.

HOOPER'S LICE FORMULA. Kills insect life with lightning dispatch. Rough on Lice, Mites, Bedbugs, Ants, Roaches, Fleas, etc., are exterminated with magical effect. Cheap, harmless, easily applied. Complete directions sent for 10 cents (stamps). F. L. HOOPER, Box 14, Station D., Baltimore, Md.

BLACK WALNUT FARM—B. P. Rocks, S. C. Brown Leghorns, Light Brahmas; vigorous stock, early and prolific layers. Eggs, $1.00 per sitting. Pekin Duck eggs, $1.00 per sitting. Stock and eggs for sale. W. P. COTTON, Manager, Churchland, Va. Mention The Feather.

THE Lycoming Poultry Farm's White Wonders won at Elmira (N. Y.) Show, 3 1st and 1 2d prizes; also, Buff Cochins, Houdans, Barred Plymouth Rocks, S. C. White and Brown and R. C. White Leghorns, Black Minorcas. Also pigeons. Eggs for hatching. Catalogue free. A. KIELBASA, Prop., Box 193, Williamsport, Pa.

KINZER'S POULTRY FARM, Geo. W. Kinzer, proprietor, New Holland, Pa., breeds prize-winning Buff, Barred and White P. Rocks, Indian Games, Buff, White and Brown Leghorns. Catalogue free. Stock and eggs in season.

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ENGLISH LOP-EARED RABBITS, choice youngsters; also breeding stock for sale. Prices low. Write for wants. Stamp for reply. RICHARD VIDLER, 116 Delhi St., Syracuse, New York.

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FOR SALE—Stock and eggs; White Cochins, none finer; Buff Leghorns (Arnold's), Red Caps, G. S. Bantams. All prize-winning stock. Stamp for circular. W. S. CARLE, New Garden, Ohio.

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WANTED—An opening with some one who can furnish capital to run a large poultry plant. Have had twenty years' experience with poultry and ten years' experience with incubators and brooders. References furnished. Address FRANK MARSHALL, Box 526, Harvey, Illinois.

WANTED AT ONCE—Black Cochin cock and hens; White Cochin cock; Silver and White Wyandot cocks; Buff, White, Black and Partridge Cochin Bantam cocks and hens. Must be good exhibition stock and prices reasonable. Send accurate description with reply. Box 48, Blanchester, Ohio.

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COLUMBIA INCUBATOR—Why not get the best? Easily managed, self-regulating. Our patented egg tray does away with turning of eggs and the lamp needs filling and trimming once in five days. Now in operation, 508 F Street, N. W., Washington, D. C. State and county rights for sale. Agents wanted. J. T. BUTTS, inventor, manufacturer and proprietor.

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THE Lightning Artificial Squab Feeder. The secret for success in fancy pigeon breeding. Can raise squabs with a brooder. Send stamp for reply. JAMES M. TYLER, JR., No. 42 Jefferson St., Bridgeton, N. J.

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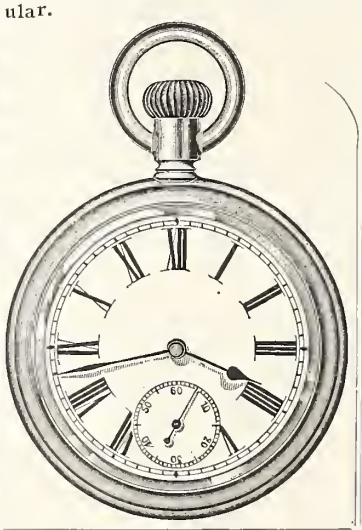
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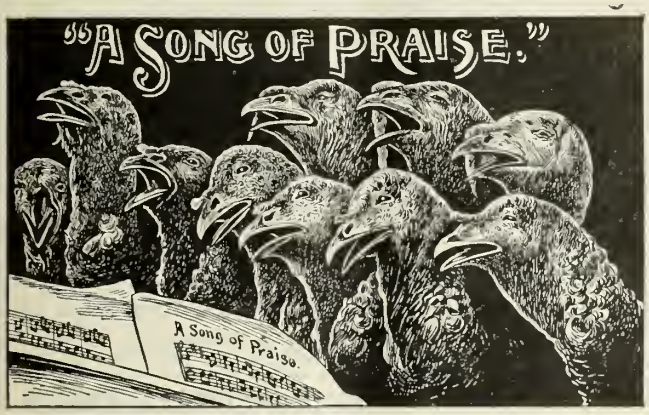
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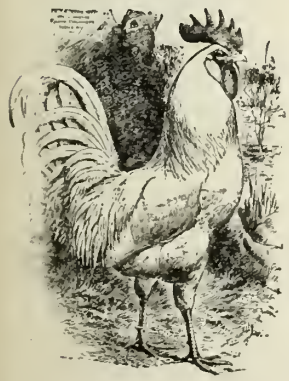
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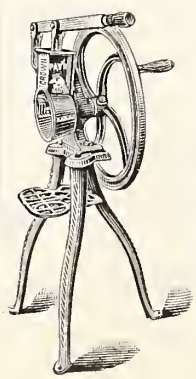
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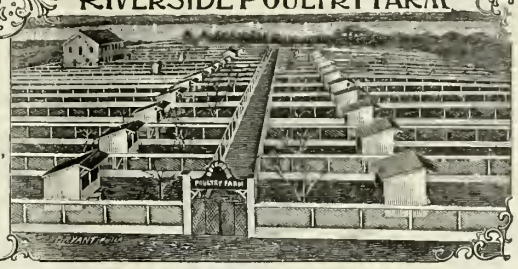
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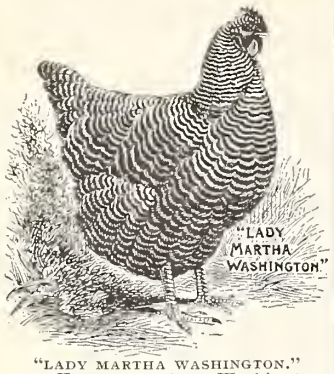
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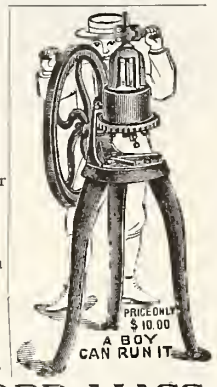


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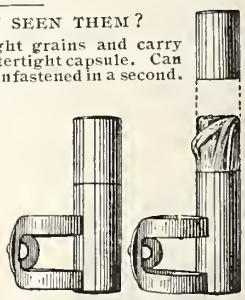
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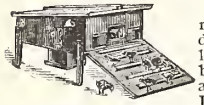
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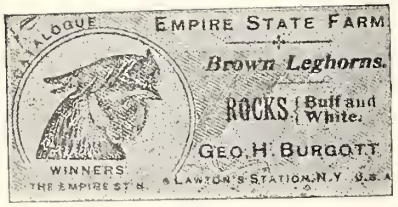
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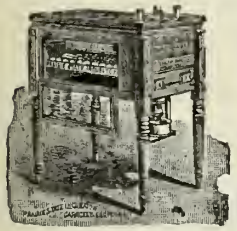
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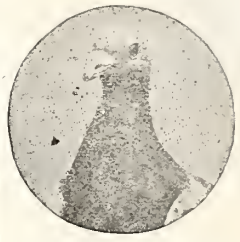
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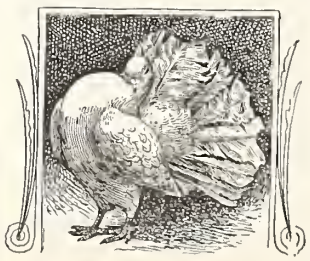
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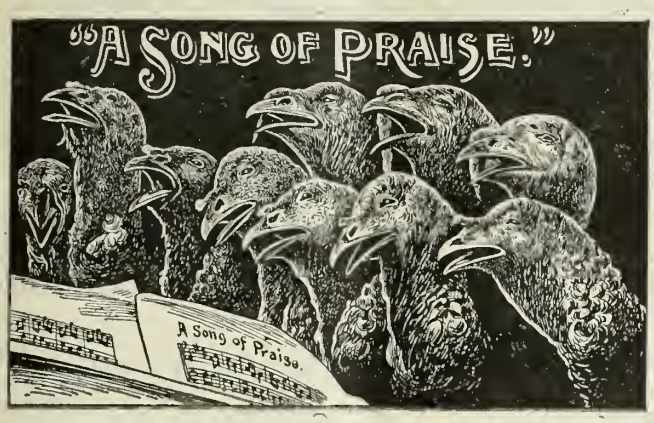


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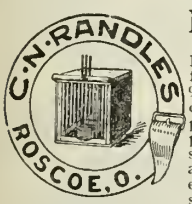
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from S. C. B. Leghorns. In my breeding pen will be found pullets scoring 90, 90, 90, 90½, 91, 91, 92, 92½; cock, score 91. Eggs, $1.50 per 15. Buff P. Rocks, $2.00 per 13. These birds were scored by Bridge in February. With every setting of eggs bought of me I will send a year's subscription to The Feather free. C. N. RANDLES, Roscoe, O.

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At Washington, '97, in red-hot competition of ninety birds, we won 1st cock, 1st hen, 1st and 5th pullets, 3d breeding yard. Only exhibitor winning more than one first prize. At Washington, '96, we won on five entries 1st and 2d hens, 2d cockerel, 4th pullet and highest scoring bird in class. Our breeding pens are composed of birds of the same high average merit. Large size, great style, vigorous and healthy, fine plumage. Eggs from prize winners, $2.00 per 15.

Plymouth Rocks That are Barred to the Skin.

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Home of the True Blue Barred Plymouth Rocks and Buff Leghorns. At Hanover Fair I won 1st, 2d and special on P. Rocks. Eggs, $1.50 per 13; $3.00 per 30. After May 15th, $1.00 per 13. No stock for sale. Catalogue free. Mention The Feather.

Fair treatment to all
Be your order large or small

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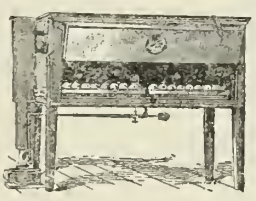
BUFF WYANDOTS,



Buff....
Cochin
Bantams
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HOMING....
PIGEONS.

No eggs for sale.

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W. K. HOWE, Agent, No. 24 Bee St., Charleston, S. C.

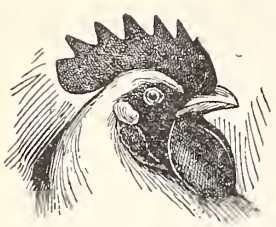
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LA FAYETTE POULTRY YARDS, West Chester, Pa...

If you have any doubt of the "Hot Stuff" we breed, look up our winnings at the best shows in America: Mt. Gretna, Pa., 1896; Hagerstown, Md., 1896; West Chester, Pa. 1896; New York, Madison Square Garden, 1896 and 1897; Washington, D. C., 1897.

Stock for sale.
Eggs in season, $5.00 per 13.

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Breeder of full-feathered
American Buff Cochins and Buff Plymouth Rocks



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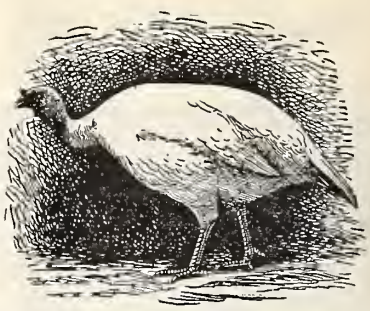
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30 Varieties of Land and Water Fowls.

Light and Dark Brahmas; Buff, Partridge and White Cochins; Langshans; Barred and White Plymouth Rocks; Houdans; Silver Laced and White Wyandottes; Buff and Single Comb Brown Leghorns; Black Minorcas; Pit and Indian Games; B. B. Red Games; Buff, Pekin and Golden Sebright Bantams. Mammoth Bronze and White Turkeys. Pekin and Muscovy Ducks. Toulouse and White and Brown Chinese Geese. Guineas, Peafowls. English Beagle Hounds. Correspondence solicited. Circular free. Incubator eggs from standard thoroughbred fowls at $5.00 per 100. Address

R. REID HARDING, Manager Poultry Department,
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"LADY BESS."
First at Madison Square Garden (N. Y.) and Washington (D. C.) Shows, 1896.

PEACH GROVE POULTRY YARDS

BREED AMERICA'S PRIZE WINNERS.

Winning at a tremendous show held Christmas week, 1896, all specials on

Buff and Barred Plymouth Rocks

And solid silver cup for best display, and again at the Great National Show at Washington, D. C., on 23 entries won 21 premiums, among them 12 firsts. Stock for sale. Eggs in season.

Eggs the remainder of the season $1.00 per setting. A remarkable offer in stock: I now offer 3 breeding yards of 10 hens and cock of Barred P. Rocks for $15.00 a yard; also 1 of Buff Cochins, same number and price. This offer will only stand a short time, as I must have room for my young stock.

F. G. BEAN, Fairview Village, Pa.



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BEL AIR, MARYLAND,

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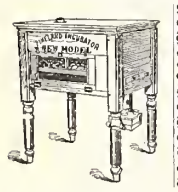
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A Specialty

WINNERS AT AMERICA'S LEADING SHOWS.

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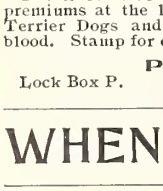
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THIS CUT

Is from life and represents a bird that has won thousands of premiums on Barred Rocks in the last twenty years and is still at it. Circular free. Mention this paper. **Joe Farmer,**
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I lead in Rose Comb Brown Leghorns, also Single Comb Brown Leghorns, both winners in New York. Barred and White Rocks (Thompson & Hawkins), Black Langshans (Dr. Robinson), White Wyandots (Duston), Buff Leghorns (Arnold), P. Ducks, Light Brahmas, Belgian Hares, Single Comb White Leghorns, Black Minorcas (Northrup).

Buff eggs $1.50, all others $1.00.

12 years winning 1st in big shows. Circulars.

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S. C. Brown Leghorns...

Winners of 100 prizes in the largest shows in the East.

LARGE SIZE, UNSURPASSED LAYERS...

Eggs from males and females scoring 94½ at $1.00 per 13.

F. E. COLBY, Bow Mills, N. H.



If at first you don't succeed, try a Buckeye, sold on 30 days' trial or for cash. The Bantam, $5.00;50-egg size, self regulating, (48 chicks from 50 eggs). Invincible Hatcher, $10.00; 100-egg size, self regulating, (98 per cent. hatches). Send 4 cents for No. 108 catalogue.

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For their 1897 Catalogue of fancy poultry and list of stock for sale. Their business pays their postage.

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THE LIFE SAVING STATION!



If you want a descriptive circular, your address on a postal card will bring one.

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WHITE PLYMOUTH ROCKS
WHITE WYANDOTTES



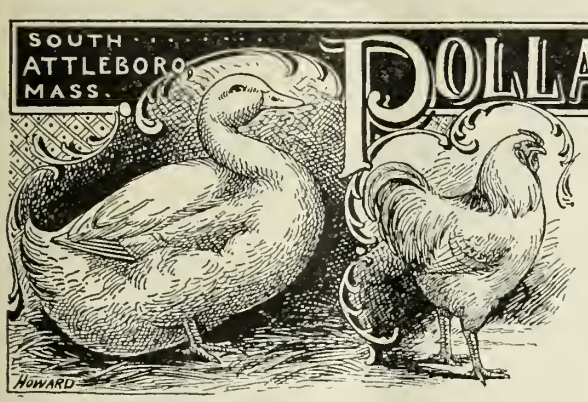
These grand and noble fowls are fast coming to the front. Their beauty and utility are acknowledged by all. Eggs from beauties, $1.50 per 13. Circular free. **T. F. MILLER,**
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Three one-cent STAMPS for cholera recipe.

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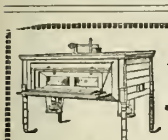
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They are deep-keeled, long-bodied business birds.

POLLARD'S WHITE WYANDOTS ARE MONEY MAKERS.

AT Boston Dressed Poultry Show they won every first premium for best chicken, most yellow-meated chicken, best Wyandot and best broiler. Does that look like business? White P. Rocks, good as the best. Duck eggs, $2.00 for 12; $8.00 for 100. Hen eggs, $2.00 for 13; $5.00 for 39. Incubator eggs, $6.00 for 100.

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BUY NO INCUBATOR Until you have given the PALACE A 30 day trial, . . . FREE OF CHARGE. Incubators $9 to $40. Brooders $4 to $16, 60 page Catalogue for stamp. Expert Legnorn Breeders. THE LEGHORN HOME, Merriam Park, Minn.

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POLAND CHINA PIGS

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Write for prices.

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STANDARD FOR QUALITY



A BATTLE ROYAL.

IT takes Clear Grit for a little fellow like this to stand up to a monster like Indigestion, but it may be safely said that

ORR'S CLEAR GRIT

Can conquer the worst case of indigestion known to poultry. Put up in 100 pound sacks.

We ship Clear Grit from our agents nearest consumers, thereby saving them extra freight charges. Every bag has our name on it.

High-class fancy and utility fowls for eggs and flesh; healthy, active and pure bred.

Illustrated catalogue and price list free.

Orr's Poultry Yards, P. O. Box 12, Orr's Mills, N. Y.

RICHEST COLORED FOWLS IN AMERICA....

I have some of the richest colored fowls in America, and no purer blood lives. To see them is to love them, if you have an eye for the beautiful. Bronze Turkeys, Hong Kong Geese, Pekin Ducks, Barred P. Rocks, S. C. Brown, Black and R. C. White Leghorns a specialty.

ECONOMICAL KNOWING THINKING **PEOPLE**

who never spend a dollar without at least getting its equivalent are the kind that are buying fowls and eggs of me. Correspondence solicited and references exchanged when desired.

ISH C. MYERS, Leesburg, Va.

OUR VICTORIES CAUSE OUR

BLUE BARRED ROCKS ..

TO CROW LOUD AND LONG.

See our show records at West Chester, Pa., 1895 and '96; at Hagerstown, 1894, '95 and '96, and we believe you will agree with us. Write for wants and enclose two-cent stamp for reply to

EDWARD S. HICKMAN, Cheyney, Delaware County. Pa.

BUFF PLYMOUTH ROCKS. • • BUFF LEGHORNS.

Our Buffs are Good Buffs.

Stock for sale.

BROOKDALE FARM,

L. S. Bache, Prop. Lock Box 62, Bound Brook, N. J.

PINE HILL POULTRY YARDS, BREEDER OF PRIZE-WINNING

Single Combed White and Brown Leghorns,
Barred Plymouth Rocks and Silver Spangled Hamburgs.

Some birds scoring as high as 97 points.

Eggs for hatching, 2.00 per setting of 15; 3 settings for $5.00. Stock for sale at all times.

D. C. SHEEHAN, 14 B Street, West Lynn, Mass.

H. A. MUNSON, WASHINGTON, D. C.

Breeder of Bearded Golden Polish, Buff Laced Polish, White Crested Black Polish, Bearded Silver Polish, White Crested White Polish, White Wyandots, Black Minorcas, White Leghorns, Golden and Silver Sebright Bantams.

From forty-one birds entered at the Washington Show, 1897, forty birds were prize winners. These birds are all now in our breeding yards. No finer stock in the United States. Eggs, $3.00 per setting 13 eggs. Stock for sale November 1st. Address

H. A. MUNSON, 1524 T St., N. W., Washington, D. C.

Arnold's Buff Leghorns

Winners of hundreds of prizes in England, Germany, Africa, New Zealand, Canada and the United States.

EGGS AT LOW RATES for the balance of the season. This variety can be raised as late as September, as they grow up and mature very quickly.

A LOT OF YEARLING HENS FOR SALE—We will sell a lot of yearling hens in lots to suit at **a surprisingly low figure,** if taken at once. Now is your chance to buy good breeders at one-fourth the price you will have to pay for them in the Fall and Spring.

Aug. D. Arnold. DILLSBURG, PA.

SHEPHERD'S BUFF LEGHORNS

Still hold the lead, defeating as they did last year all other competitors at New York (America's best show), winning **Buff Leghorn Club's cup for best exhibit,** also **4th cock** in a class of 7 birds, **1st, 2d and 3d hens** in a class of 18, **1st and 3d cockerels** in a class of 23, **3d and 5th pullets** in a class of 19, **2d and 5th pens** in a class of 7. **BEST OF ALL,** 2 specials out of 3 given for best color hen and cockerel, also 6 gold specials. 300 birds for sale. No eggs for hatching.

E. P. Shepherd, Box 9, Croton Falls, New York.

Secretary-Treasurer Buff Leghorn Club.

HERE'S A CHANCE FOR YOU!

FOR a long time we have been wondering how we could help our many friends to get some choice articles without costing them a cent, and have about concluded that we have struck the right idea in the following plan. This is no game of chance where "the man who turns in the most" gets the plum and the balance get nothing, but a straightforward proposition where each one gets what he is entitled to. This is the only satisfactory way of doing things, and THE FEATHER'S policy is to help everybody along who try to help themselves. We are confident that you want **EXHIBITION BIRDS, an INCUBATOR or BROODER, a BONE MILL, a WATCH,** or perhaps something else, but do not feel able to spare the money just now to supply any of your wants. We have thought for you and propose to

SHARE OUR MONEY WITH YOU...

By this we mean to say that we will cut our dollars into halves, and our halves into quarters, giving you the same we get and thereby helping you to get just the things you want without a cent's cost to you.

OUR PLAN is to credit you 25 cents for each yearly subscription to THE FEATHER that you may get at the regular subscription price of 50 cents each.

LET us suppose, for example, that you want an article costing $15.00. By our plan you would only have to send us sixty subscribers at 50 cents each, which would be $30.00, and we would then credit you with one-half of that amount or $15.00. We would then purchase for you an article of that value from any one of your choice, the same as though you had paid the cash out of your own pocket. Again, say that you wanted something costing $5.00; this would only be twenty subscribers at 50 cents each, or $10.00. You would be credited with one-half, $5.00, or the price of the article. Remember it doesn't matter to us what the article may be that you want, you are to be the chooser and we the helper in the premises. Our plan is co-operative. We desire you to have what you want, and we want subscribers. We are determined to place THE FEATHER in front of all others and at the same time help those who are instrumental in our growth.

WE will furnish you with sample copies, subscription blanks, circulars, etc., so that you will experience no difficulty in your work. THE FEATHER is an easy seller and takes well wherever shown; you have friends who would like a thoroughly up-to-date Poultry and Pigeon publication, and we confidently believe you will have no trouble in getting a large number of subscribers. Write us without delay for outfit and we will surely help you to get something that you would like to have but cannot afford.

George E. Howard & Co.,

... PUBLISHERS ...

Central Power Station. Washington, D. C.

The Feather

A National Journal Devoted to Poultry, Pigeons, Birds, Etc.

Vol. II. No. 10. Washington, D. C., July, 1897. Five Cents.

A SUCCESSFUL ENTERPRISE.

Practical and Beautiful Poultry Raised on the Brookside Farm.

THE Brookside Poultry Farm is located near Columbus, N. J., on the Kinkira branch of the Pennsylvania Railroad, and is owned by Mr. J. E. Stevenson. This large farm is devoted to poultry exclusively. Mr. Stevenson breeds standard White, Barred, and Buff Plymouth Rocks; White and Buff Wyandots; Black Minorcas, and Pekin Ducks.

The main poultry-houses are fifteen by one hundred feet, ten by seventy-two feet, and ten by forty feet, respectively, with several smaller houses. The brooder-house measures fifteen by one hundred feet, and is heated by hot water pipes, side heat; two large two-inch pipes running along back of the house, with twelve feet, one and a quarter inch leads taken off between every other pen. These pens being five feet wide, seventeen feet of warm pipes are given the chicks to brood against, with board covers ten inches wide, and cloth on the edges to hold the heat. This has been found to be a very satisfactory method, as the chicks may sit up close to the pipes or move back, just as the heat suits them.

On the farm is also erected a twelve by one hundred-feet pigeon-house, in which squabs are raised for market.

An experiment was lately made with 500 young ducks to determine the cost of raising, the result of which Mr. Stevenson describes as follows:

"We fed 6,954 pounds of mixed feed, at an average cost of $1.10 per hundred, or $76.49. We had the misfortune to have over one hundred of the ducks killed by minks when at an average weight of one and a half pounds each, which left only 382 ducks for market, and they were late so as not to get the best prices. They were killed at from eight to ten weeks of age, and weighed 1,884 pounds, or more than one pound of duck for each four pounds of feed, in spite of the loss of ducks—and they brought $323.03, or a net profit of $246.54, or nearly sixty-five cents for each duck sold."

Mr. Stevenson is a very successful man and his methods are simple, practical, and to the point. He gives the following recipes for feeding, which we think will be of interest to the readers of The Feather:

"In the morning give laying fowls a mash consisting of cornmeal, two parts; ground oats, two parts; wheat bran, two parts; finely cut clover hay, four parts; feeding flour or middlings, one part, and ground meat scraps, one part; mix with water or skim milk to a moist crumbly mass. Feed only what they will eat up quickly. Green cut bone may be substituted for the ground meat scraps, or it may be fed separate, all they will eat readily. At noon give a small quantity of wheat, oats, buckwheat or barley, scattered well in plenty of litter, so as to make them scratch for it, and at night feed whole or cracked corn, wheat, or other grains scattered in the litter. The object is to keep them as busy as possible, compelling them to scratch for all the grain they get, thereby securing health for the fowls, good strong fertile eggs for hatching and plenty of them.



MR. STEVENSON'S BROODER-HOUSE AND AVIARY.

"Young chicks raised artificially must be fed carefully and kept warm. The brooder must be kept at an even degree of heat, as the chicks cannot stand sudden changes, and more are killed from being chilled than from all other causes. There is no better feed for them than stale bread moistened with milk. In a few days gradually change to cornmeal, two parts; wheat middlings, one part; about five per cent. of fine ground meat and bone. Mix to a stiff dough and bake well. After two or three weeks: Take corn, two parts; wheat, one part, and oats, one part—have them ground together. Add about ten per cent. of ground meat, and mix so as to make a moist crumbly mass. Feed this twice a day, and cracked corn and wheat once. Never feed more than they will eat up clean, and keep plenty of good sharp grit and fresh water before them at all times.

"For laying ducks: Give cornmeal, two parts; ground oats, one part; wheat bran, one part; feeding flour, one part; finely cut clover hay or boiled vegetables, two parts; ground wheat or green cut bone, one part; mixed with hot water in Winter and cold water in Summer; feed morning and night all they will eat up clean. Give a small quantity of grain at noon. Keep plenty of grit where they can get it, as laying ducks consume large quantities.

"For the first few days feed ducklings stale bread moistened with milk, gradually changing to cornmeal, three parts; wheat bran, three parts; feeding flour, one part; finely cut clover hay or boiled vegetables, two parts, and ground meat, one part. Mix a small quantity of coarse sand or fine grit with each feed and keep grit where they can reach it at all times. As they get older, gradually increase the cornmeal and ground meat, until at eight weeks, you give two-thirds of the whole feed cornmeal and fifteen per cent. ground meat, and they will be ready for market at ten weeks of age, and if carefully cared for, and you have a good strain of Pekin Ducks, they will weigh about five pounds each, and will bring you more profit than any poultry you ever raised."

Mr. Stevenson is erecting a house for 1,000 fowls. It will be about three hundred and twenty feet long and thirty feet wide, with a walk running through the center of the building, about two feet above the floor, allowing pens on each side of the walk. The pens will be twelve by fifteen feet, and the walk being elevated, all the floor space is given the hens. A trough running the whole length of the building will be under the walk to furnish pure fresh running water, thus saving a large amount of work, and giving the fowls all the clean fresh water they want. There is to be a feed and cook room twenty by thirty feet at the end of the house, with power for running bone cutter, mill, etc., from which a car will be run through the walk to carry the feed and droppings. Mr. Stevenson thinks that the conveniences this building will afford will enable him to care for



BIRD'S-EYE VIEW OF MR. STEVENSON'S BROOKSIDE POULTRY FARM.

one thousand fowls in the same time, or even less, that it takes to attend to three or four hundred in the small separate house plan.

The building will be set up about three feet from the ground, allowing the space underneath for a scratching shed and a cooler place for the fowls in Summer. The runs will be twelve feet wide and about one hundred and twenty-five or one hundred and fifty feet in length, so as to grow green food in the yards, and give the fowls plenty of exercise.

The Cause of the Evil.

One of the causes of soft-shelled eggs can always be traced to overfeeding. Whenever the hens begin to lay eggs with soft shells, nothing can be done to prevent the evil but to reduce the hens in flesh, which may be readily done by placing them on short rations for a while and compelling them to work for every ounce of food they get. The custom is, when the shells are soft, to give the hens oyster shells, in order to provide lime for the egg-shells, but the remedy is not known to be effective. The size and shape of the eggs depend upon the condition of the hens, and it is because fat is an obstruction to the laying hens that the eggs are imperfect in any respect. Active breeds are not so subject to this trouble as are the large breeds that are kept in confinement.

A Flesh Producer.

Of the value of eggs as food and their use in certain diseases the *Germantown Telegraph* writes as follows: Six large eggs will weigh about a pound. As a flesh producer one pound of eggs is equal to one pound of beef. About one-third of the weight of an egg is solid nutriment, which is more than can be said of meat. There are no bones and tough pieces that have to be laid aside. Practically an egg is animal food and yet there is none of the disagreeable work of the butcher necessary to obtain it. Eggs at average prices are among the cheapest and most nutritious articles of diet. Like milk, an egg is complete food in itself, contai ning everything necessary for the development of the perfect animal. It is also easily digested, if not damaged in cooking. Indeed, there is no more concentrated and nourishing food than eggs.

The albumen, oil, and saline matter are, as in milk, the right proportion for sustaining animal life. The valuable or important salts are contained in the yolk, and hence this portion of the egg is most useful in some forms of disease. A weakly person, in whom nerve force is deficient and the blood impoverished, may take the yolk of an egg with advantage. The iron and phosphoric compounds are in a condition to be easily assimilated, and, although homœpathic in quantity. nevertheless exert a marked influence on the system. The yolks of eggs, containing, as they do, less albumen, are not so injuriously affected by heat as the whites, and a hard-boiled yolk may be usually eaten by invalids without inconvenience.

Where the Fault Is.

Experience has taught that there is no legitimate business which pays better than poultry raising, but it must be conducted with care and skill. Lack of experience, patience, system, and understanding of the amount of work connected with poultry raising are the causes of many failures. The farmer who keeps a strict ledger account of all the returns and expenditures from his poultry is an exception. Many keep no account at all. Such are the ones who insist that poultry does not pay, when the fault lies with themselves, rather than with their much-abused hens.

Keeping the Scrapings.

Ashes or lime should never be mixed with hen manure, as either dissipates the ammonia, which is the most valuable part of the manure. It will pay to look after the manure and not throw it out, unmindful of its value. Every morning the floor of the henhouse should be thoroughly scraped and the accumulation placed in barrels in a dry shed close at hand. When enough has been stored, it may be used to good advantage about the strawberry vines, currant and raspberry bushes and other fruit and vegetable plants.

A Poultry House.

The following good plan for a small poultry-house, which is especially complete, is given by a correspondent: It is fourteen by twenty feet, extending east and west. It is divided into two rooms, one of which, the roosting room, is thirteen by fourteen feet; there are two windows and a door in the south of this room. The door is in the center and opposite on the north side is another door. There is a passageway or alley from one door to the other; on either side are the perches, three feet from the ground; they are made of three by one-inch joists rounded on the upper side, and fitted into places sawed to hold them, and are movable just like bed slats (except that they are set edgeways) and can be cleaned off, and there remains nothing to hinder from cleaning the room nicely. The laying room is seven by fourteen feet, with a door in the north and south, and a window also in the south. The nests are on either side with a small door in the partition, so chickens can go from one room to the other. The partition is boarded up tight to the square, and from there four-inch slats are nailed across, thereby giving the chickens air from both rooms. There is a dust-box by the window in the laying room.

THE AMERICAN HEN.

Plain Statement of Her Value as a Money Maker and Mortgage Raiser.

MRS. AMERICAN BUSINESS HEN is one of our most useful citizens. She is a shrinking, unassuming creature, too modest at times even to cackle over the birth of her own egg, leaving that celebration to her husband; and yet Mrs. American Hen has been quietly paying off mortgages, driving wolves from the door and hatching out nest eggs for thousands of featherless bipeds.

In 1890 there were in this country 258,871,125 chickens and 26,738,315 other fowls. In that year the American hens laid 9,836,674,992 eggs. There are now 350,000,000 chickens, which will lay this year 13,750,000,000 eggs. These eggs are worth $165,000,000, and the poultry meat sold during the year will bring $125,000,000, which gives $290,000,000 as a very low estimate of the earnings of Mrs. American Hen for one year of the great depression.

The 350,000,000 hens are worth $105,000,000 of any man's money, but we will not consider that, but take simply the earnings of the hen. The average length of an egg is two and one-half inches. The 13,750,000,000 eggs will, therefore, make a chain 542,218 miles long, while the total weight of this production of hen fruit is at least 853,125 tons.

Does any reader of the *Sunday World* realize what this immense production of eggs and meat means to the country? Here are a few figures for comparison:

Value of silver production	$ 72,510,000
Value of wool clip	38,146,459
Value of all sheep	65,167,725
Value of all swine	186,529,745
Value of mules	103,204,457
Value of horses	500,140,186
Value of petroleum products	62,383,403
Value of potato crop	78,984,901
Value of tobacco crop	35,574,220
Value of cotton crop	259,164,640
Value of oat crop	163,655,068
Value of wheat crop	237,938,998
Imports of coffee one year	84,793,124
Imports of tea one year	12,704,440
Total of pensions	139,280,078
Total of school expenditures	178,215,556
Total interest on mortgages	76,728,077
Cost of Post-Office Department	90,626,296
Net earnings of railroads	323,196,454
Dividends on railroad stocks	81,375,774

The value of all gold produced in American mines in 1895 was $46,610,000, and of all silver $72,051,000. The value of all minerals, including iron, gold and silver, taken out of American mines in 1894 was $208,168,768. Americans are given to bragging about our immense mineral resources, and yet you will notice that the hens paid for it all in one year and had enough left to just about pay the interest on all mortgages!

Mrs. Hen will earn enough this year to pay the entire State and county tax (which in 1890 was $143,186,007), and have enough left for every cent of pensions that are paid to old soldiers.

The average cow weighs 130 times as much as the average hen, and yet all the milch cows in the country have a total value of but $263,955,545. Mrs. Hen will earn enough in one year to buy every cow, and put the entire tobacco crop in her pocket as well. She could pay out of her year's earnings for all the tea and coffee imported in one year and all the petroleum products, and have enough left to buy all the tobacco grown of the . The total assessed valuation hen's following States fall below the Ne yearly earnings:

w Hampshire, Vermont, Delaware,



The Supremacy of the American Hen over Commerce and Agriculture Pictorially Shown.

Arizona, West Virginia, North Carolina, South Carolina, Utah, Florida, North Dakota, South Dakota, Nevada, Nebraska, Alabama, Mississippi, Idaho, Louisiana, Arkansas, Montana, Oregon, Wyoming, Colorado, New Mexico.

In other words, Mrs. American Hen could buy any of these States from one year's eggs and chicken money. She could buy in this way New Mexico, Arizona, Wyoming, North Dakota, Idaho and Montana all put together.

The total cost of conducting the Post-Office Department last year was $90,626,296.84. We can pick out 50,000,000 of our best hens that will cover every dollar of this outlay in one year.

The net earnings of the railroads in 1895 were $323,196,454. The railroad dividends paid amounted to $81,375,774. The American hen paid nearly twice the profits earned by American railroads.

The total earnings from passenger traffic amounted to $261,640,598, or less than that of the hens. It cost in 1895 slightly over two cents to carry one passenger one mile, .0184 of a cent to carry one ton of freight one mile, and ninety-one cents to run the average train one mile. One single hen, laying 150 eggs per year, could have 215 days of vacation, and would still be able to pay for carrying one passenger 100 miles, or for hauling ten tons of freight 10,000 miles, or for running an ordinary train two miles. One hundred and forty such hens would pay the salary of the average teacher employed in the public schools, while seventy-five hens would pay the average pensions to old soldiers.—*New York World.*

The Johnstown Show.

Editor The Feather:

The members and officers of the Adirondack Poultry and Pet Stock Club are very enthusiastic and hustling over the coming show to be held in Johnstown, N. Y., November 24-27, 1897.

We have 190 paid-up members on our list and already have over $300 worth of specials offered, such as cash and merchandise. This amount is from our merchants and residents, and does not include specials from members and breeders. I feel assured that our list of specials will exceed $1,000. We will hold a grand show, second to none, and will pay all premiums won in full after awards have been placed. All specials will be on exhibition during the show.

Our success is assured as various breeders have pledged themselves to be with us. We have a large, well-lighted hall in which to hold the show and will furnish coops for all. It will be well for intending exhibitors to keep an eye on Johnstown and send for premium list.

We have selected for our judges F. B. Zimmer, D. A. Nichols, W. J. Andrus, J. H. Drevenstedt and A. E. Blunck; which is evidence that all will be treated fairly, as they are capable and competent to act in this capacity.

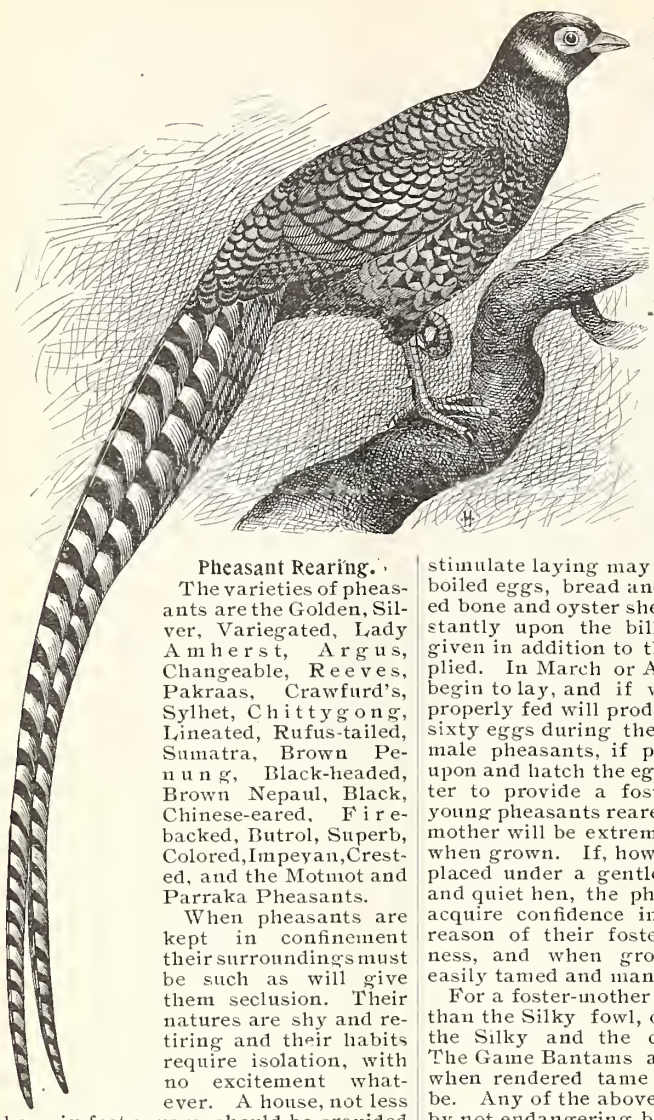
Fraternally,

H. J. QUILHOT, Sec'y.

Johnstown, N. Y.

Profit by This.

Many go into the poultry business, a correspondent writes, expecting to make a big profit from but little labor. If one is to make a business of poultry raising the location should first be considered, not forgetting that fowls to do well need a sheltered spot, good water, and an unlimited range. A large capital should not be invested at first unless one has had an experience of at least two years; beginning very modestly and increasing every year, thus choosing the best breeds and making wise improvements as new houses are built each year. I have found that two breeds will best supply the trade, and so breed Plymouth Rocks or Wyandots for the table and Leghorns as egg producers. The last-named breed will stand more confinement if circumstances require. Houses should be built for small flocks with open shed attached, and the latter can be used in the breeding season for small chicks, being vermin-proof if closed at night, while good air is obtained if front is wired properly. I have known a mother to roam all day with her brood, coming home at night for food and shelter in these sheds. As there are no roosts, crooked breast bones are not seen in the show rooms. If one expects a large return in eggs where care is not used in feeding and watering a sure disappointment will follow, as fowls need a change in food daily and complete cleanliness in their quarters. Soft food should not be fed after noon. It should be perfectly sweet.



Pheasant Rearing.

The varieties of pheasants are the Golden, Silver, Variegated, Lady Amherst, Argus, Changeable, Reeves, Pakraas, Crawfurd's, Sylhet, Chittygong, Lineated, Rufus-tailed, Sumatra, Brown Penung, Black-headed, Brown Nepaul, Black, Chinese-eared, Fire-backed, Butrol, Superb, Colored, Impeyan, Crested, and the Motmot and Parraka Pheasants.

When pheasants are kept in confinement their surroundings must be such as will give them seclusion. Their natures are shy and retiring and their habits require isolation, with no excitement whatever. A house, not less han six feet square, should be provided for their use in severe weather, but they will seldom enter it, except for the purpose of shade, even when the mercury runs down many degrees below zero. The illustration of the pheasantry of Fisher's Island Farm gives a splendid idea how to build the houses and yards. The houses need not be provided with roosts, for the birds will prefer roosting out of doors, either perching on some tree or shrub, or squatting beneath its shelter. In the coldest of weather the pheasants may be shut within the house. The floor of the house should be covered with sawdust, sand, or some soft material, as deformed feet and toes are often the result of confinement upon board or cement floors.

The yards, too, should not be less than eight feet in width, and as much wider as can be afforded, and the length should be as great as possible. An inclosure containing 150 square feet will suffice for one male and three females, but twice that size would be preferable. Small yards are apt to become uncleanly, and filth is a deadly enemy of the pheasant. If the yards are large and roomy, they can much more easily be kept clean; but if necessity compels the use of small yards, then greater care must be exercised. The earth in the small yards may be freshened by a constant use of the spade, turning up the soil to the cleansing action of the sun and air, and by strewing over it ashes, lime, and fresh gravel.

With a single cock pheasant may be kept from one to five or six hens in confinement, and the eggs prove fertile, but when at liberty one cock will do for a dozen hens.

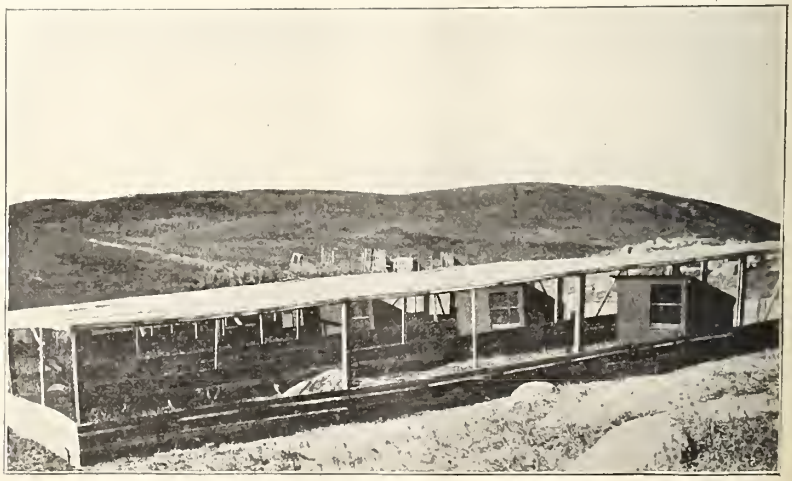
The best breeding age is from one to two years for cock, and about three years for hens. As the breeding season approaches in the Spring, and during the laying season, food suited to stimulate laying may be given. Hard-boiled eggs, bread and milk, and cracked bone and oyster shells, should be constantly upon the bill of fare, and be given in addition to the usual food supplied. In March or April the birds will begin to lay, and if well cared for and properly fed will produce from thirty to sixty eggs during the season. The female pheasants, if permitted, will sit upon and hatch the eggs, but it is far better to provide a foster-mother, as the young pheasants reared by their natural mother will be extremely wild and shy when grown. If, however, the eggs are placed under a gentle, motherly, tame, and quiet hen, the pheasant chicks will acquire confidence in their feeder by reason of their foster-mother's tameness, and when grown will be very easily tamed and managed.

For a foster-mother nothing is better than the Silky fowl, or a cross between the Silky and the common Bantam. The Game Bantams are also excellent when rendered tame as they ought to be. Any of the above are light, thereby not endangering by their weight the pheasant eggs, are active and not likely to tread upon and crush the young birds out of existence, and are usually faithful sitters and exemplary mothers. But any hen that combines lightness with good motherly qualities can be used with good success.

The nest should be prepared in the same manner as for the eggs of the hen, and the same care should be given to it during incubation; in other words, it should be made upon earth with a light covering of broken straw or some similar substance; oval in shape, slightly hollowed, and should be provided with insecticides to banish all manner of vermin; should be kept clean, and the eggs sprinkled, if the weather be hot and dry, regularly with tepid water after about the sixteenth day. On the twenty-third day the eggs will usually hatch, but cold weather or some unusual circumstance may delay the hatch even so far as the thirtieth day. Hope should not be given up before that time, and the valuable eggs destroyed.

For twenty-four hours the young pheasants should be left undisturbed in their nest beneath the wings of their foster-mother. During this time they need no food. After, they should be removed to a coop so constructed as to confine the hen and give the young access to an open coop beyond. This may be uncovered, except the part in which the hen is confined, unless it be advisable to place a board over it for the purpose of providing shade. The part of the coop devoted to their use should be about two and one-half by three feet, and this should be all the space allowed them at first. Their liberty may be gradually enlarged until at the end of fifteen days they may be permitted to go where they will, keeping the hen shut up in the coop, to which the young will return from time to time during the day.

During the first month ants' eggs should constitute their constant food, where they can be obtained; and even after this it is not advisable to wholly dispense with them. But it often happens that these are not procurable in sufficient quantities, and some substitute must be provided. Hard-boiled eggs chopped fine and mixed with bread crumbs and a little lettuce will make a fairly good substitute. This mixture, in connection with the commercial dried ants' eggs, will be found to answer all purposes. For the first month the food should be given in small quantities and not too frequently; this is justified both by nature and experience. As they grow older the quality of the food can be gradually changed and the quantity augmented. The water given to them should be pure and changed frequently.



VIEW OF FISHER'S ISLAND FARM'S PHEASANTRY.

Pheasants in a wild state feed upon snails, the fruit of the wild mulberry, all kinds of grain to which they have access, small peas, elder berries, gooseberries, worms, ants, and other insects. They are also very fond of tomatoes, and it is said that they will even eat carrion. In confinement, vegetables, grass, grain, and fruit may be given them, with shreds of meat, and so forth.

The most critical time in the life of the young pheasant is when the tail begins to shoot. At this time their food should be generous in quantity and stimulating in quality. Lice are very destructive to them, but these are easily disposed of. They are also specially liable to the gapes, a disease which carries them off by the thousands in France and England.

"Make-Shift" Coops.

Naturally, I have still a preference for the brood coops adopted in my yards for general purposes some time ago, and, as I stated that I should, have had some of them built this season, but not so many as I should have liked, and I have been obliged this year, as many a farm-wife has done before me, to avail myself of



MRS. NELLIE HAWKS.

the best possible use I could make of a few make-shift affairs in the raising of my broods of little chicks.

The earlier chicks were housed in a style of poultry mansion, but later in the season husband was "rushed to death" with work; I did not feel like hiring coops made, and my broken right arm utterly refused to handle hammer and saw, and something must be done. More chicks were coming soon, and they must have suitable shelter. What should I do? As soon as able to ride—as I could drive with my left hand—I drove over to see a stranger-friend, and while there made observations, took mental notes, and the result of it all was some improvised houses about after this fashion: A couple of large, heavy boxes that goods had been packed in were still lying out toward the barn, and in them I saw "great expectations" or possibilities. I played the part of "foreman" or "boss," and helped all I could, and Elsie—the little maid who is "helper" here—carried out my plans, and the result is four excellent "make-shift" coops—two coops to a box.

Of course, the boxes were open on top, so we turned them over sidewise, and this gave us one of the sides for a floor, but the front was all open. After the partition had been put in—and, by the way, that partition is gunny sacking, strong, durable, cheap, and just as good for the purpose as boards—a strip of fence board was nailed on the front some eight or ten inches from the top, and from this board to the top the space was covered with wire screen. This board also held, by strong hinges, a solid board door of pieces cleated together, sufficiently wide to fill the remainder of the front space. This door, to shut them safely in at night, is fastened with wooden buttons of home manufacture, and in daytime is fastened up by a leather strap and nail. A separate slat work of laths that holds the hens in the coops and allows the chicks their freedom, is an entirely separate affair, held in place by firm props. But for these front pieces we have but little use except for the first day or two of the tiny chicks' lives, for my coops are enclosed within a spacious yard that confines the hens. To raise these coops from the ground "above high water mark," they are set upon and nailed firmly to pieces of two by four or two by six timbers. Steps to enable the chicks to go easily in and out are made of bits of board and blocks. The tops of these box coops are covered with oilcloth that had been discarded from the kitchen tables and sink. Verily, there seems a use for everything—especially to one who raises chicks every year. This oilcloth is better than the battening of cracks in the top of coops, as it more effectively excludes the rain.

For a fact, I'm quite in love with these rude affairs, for they are high out of harm's way, and they are dry, roomy and safe. They are so heavy that no ordinary windstorm is going to topple them over, and did it look threatening in the West, I should very soon nail them fast to posts that support the wire fencing. Nothing short of a cyclone could then tip them, and we all know how useless it is to attempt to do battle with a cyclone. We can only prepare against reasonable storms, and I think these box coops quite fill the bill. One does not need to move them often, for they have a board floor, and this is easy to clean with a broom and shovel every day, for dry earth is spread thick on the floor. Air-slacked lime thrown against the "sacking" partition and into every crevice and corner insures freedom from lice. Indeed, the chicks who occupy these make-shift coops of my construction are just as cozy and safe as they can be. But the death-dealing traps I have seen little chicks and their mothers confined in I have no use for and no patience with. But you who have neither the time nor dimes to spare for making my prettier coops, please try my "make-shift" ones, will you not? I know you will like them. I do.—MRS. ' NELLIE HAWKS in *Practical Farmer.*

The Character of Each.

The eggs from hens, says an exchange, will hatch better than those from pullets and chicks from hens will be stronger and more vigorous. Old hens will also lay as well as pullets, if properly managed, and they will usually begin to lay directly after molting. Food and care will show their effect, no matter what the breed may be, but more dependence can be placed on some hens than on others, owing to the individual characteristics of each. Large, rosy combs are sure indications of thrift, and when such is the case the hens will soon lay.

Hens have been known to lay well until six or seven years of age, and just when to declare them too old for service is difficult, as some hens will last longer than others. Probably the first year after the pullet becomes a hen, she will lay the largest number of eggs, but the eggs will be smaller from a pullet than those from a hen. It is difficult to feed highly for eggs without making some of the hens fat, as they will fatten sooner than pullets, owing to the latter appropriating a portion of the food to growth.

There is a great difference in the breeds, and in many respects. The pullets of the Leghorn breed will begin laying when they are but five months old, but pullets of the larger breeds sometimes grow until nearly ten months or a year old before they begin to lay. The number of eggs laid is entirely a matter concerning each individual, no two hens being alike. Fowls not only excel in certain characteristics according to the breeds, but they are good or bad only when viewed from the standpoint of their requirements, and in proportion to their treatment, in order to accomplish the purposes for which they are kept. Some excel as egg producers and some for market, and they must be managed accordingly. If eggs are required, without regard to market quality, only the breeds that are active and vigorous should be kept. Poultry for market should be a secondary consideration on an "egg" farm.

Can't Produce Both.

It is truly said that you cannot produce eggs and lice at the same time. One business is entirely distinct from the other. Lice are the first and greatest enemies to the poultry business, and one who tolerates them at all cannot hope for any measure of success.

Various Remedies.

A poultry almanac says: One teaspoonful of liquid carbolic acid given in two quarts of water is an excellent preventive for most diseases among fowls. One tablespoonful of chlorate of potash in one quart of water for roup. For little chicks that are weak in the legs, one tablespoonful of sulphate of soda in one quart of water. For worms, given ten drops of aloes or spirits of turpentine in a pint of water. For gapes, add a few drops of spirits of camphor or turpentine to the drinking water. For cold or catarrh, put ten drops of aconite in a pint of water. For sneezing or running at the nostrils, put about one tablespoonful of kerosene oil in one quart of water. Asafœtida tied up in a rag and placed in the drinking water for the fowls will be a good remedy for roup, also a preventive for most diseases.

It Never Pays.

Never forget this in poultry culture: The pullet that commences to lay earliest in life is the one to lay the largest number of eggs through life, as cattle that have the milk-producing organs active make the best cows. Select the fast-growing, early-maturing specimens that present in full the type and size found in the breed, and use only these as breeders, and the egg-producing merits will be increased. We have reported the wonderful product in single specimens, which can be made true of a flock. But it is care and attention to the flock that finds and secures these merits in the progeny. Neglect and hap-hazard breeding never pays.—I. K. FELCH.

For advertising rates, see editorial page.

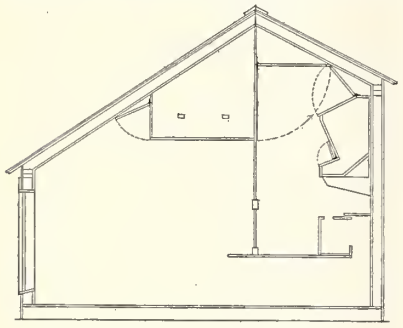
Practical Poultry Raising

FOR THE EXPERT..... AND BEGINNER...

The Editor will be assisted in conducting this department by Messrs. Philander Williams, James Rankin, and T. F. McGrew. All are invited to contribute to these columns. Questions will receive prompt and considerate answers.

House to Protect Combs.

Herewith is submitted a sketch of a henhouse that will protect the combs and wattles of the choicest Minorcas and at the same time be reasonable in price and handy to use. The sketch shows the wide alleyway from which all work can be done. The alley floor is two feet above the floor of the building, thus allowing birds the full area of floor. The floor in alley is of three-inch strips laid one inch apart, running lengthwise of the house. Nest-boxes are detached and the sketch shows method of using, the hens entering at the back through holes in the floor, and eggs are removed through a hand hole



PLAN OF HOUSE TO PROTECT COMBS.

in the top, which may be covered to exclude all light from nest-box. When hens are sitting reverse nest-box. Birds partake of water, mash, grit, etc., from dishes on alley floor by standing upon alley floor extension and putting their heads through between the slats in lower part of partition. Immediately above the nest-boxes and resting upon brackets is shown the feed bin, having two or three partitions; this is filled at the upper lid and taken from at the small lower lid. Just beside this feed bin is a large exhibition coop for conditioning and training birds for exhibitions, also for reserve males, etc. The roost platform is four and one-half feet above the floor of alley, and between the two at one end of the pen is a narrow door for the attendant to pass into the large pen below.

The entire front of the roosting room is of matched lumber, the lower portion being in door form, hinged at the upper edge, and to be swung upward when cleaning the platform. The rear side of roosting room is similarly constructed, but is covered with wire netting so birds cannot fly out when this door is open, as it always is, except on extremely cold nights. Birds enter the roosting room through an opening in the platform by means of a cleated, inclined board. Below the platform the partition is of wire mesh, where the birds feed.

As we may each and all learn by the free exchange of opinions as well as prejudices, it would be pleasing to me, and no doubt of profit to many, if the readers of THE FEATHER would act the part of critics and kick it as hard as seemeth good. Let's have the very best; we can if we will. That is what THE FEATHER is for—the best in all things that pertain to feathers, and so long as feathers continue to grow may THE FEATHER continue to flourish.

F. A. RAPPLEYE.

The Game Profile.

Editor The Feather:

I am interested in Exhibition Games, and would like to ask if you would publish in THE FEATHER an illustration of one of the Standard Game males in profile, and also the scale of points for judging. H. A. M.

Lander, Md.

The illustration we show of Red Pyle Game cock is, we believe, a good profile of an ideal Standard or Exhibition Game male. A drawing similar to the above has been approved by one of the largest Game breeders in the country, and we do not hesitate to recommend it as applicable to your wants. Regarding the scale of points for judging, we would suggest that you purchase a copy of the Standard of Perfection. It will be invaluable to you in breeding.

Doesn't Believe in Crosses.

Editor The Feather:

Some time ago I promised THE FEATHER an article on the distinctive features of a long series of years with a new breed of fowls. Now I hope not to be criticised too severely on what I shall say in this short article, by fanciers who follow a different system in breeding up their stock to attain perfection, but if we differ, let it be honestly. A few years ago to have told a fancier to stop crossing birds from other fanciers' yards on his stock, and he would have better results from his year's work, he would have set you down for an ignoramus, or something resembling a fool. He would tell you that you would run your stock out in two or three years, and have to buy new to begin with again, but I ask you to-day is that a fact? My twelve years successive experience with a single breed, or without a cross on the breed, does not warrant the assertion. I used to sit and listen to fanciers lamenting over disappointments from certain birds that they had paid big money for to cross on extra fine birds of their own. The bird was not to blame; he did the best he could; conditions were not right. I never have any such worry over my matings. I know just what I am going to get. Breed from the best specimens that you can produce each year and you will add size and vigor to your flock, and can fix the type of fowl in the flock the Standard calls for. But one says, "You will knock the business clean out. There will be no demand for stock." Ask yourself the question.

S. M. WILLIAMS.

Monroeville, Ind.

Can You Beat It?

Editor The Feather:

I have in my yards two Single-comb White Leghorn pullets, hatched February 29th, that began laying June 10th (three months and eleven days old). How is this for early layers? I think I have the foundation laid for the earliest and most prolific laying strain of Single-comb White Leghorns this side of the pond. My birds are extra large, superb in shape, comb, etc., and are shellers from the word go. Should like to hear through the columns of THE FEATHER if any of the brethren can beat this record for early laying. I am a regular subscriber to THE FEATHER and consider it indispensable to every wide-awake poultryman.

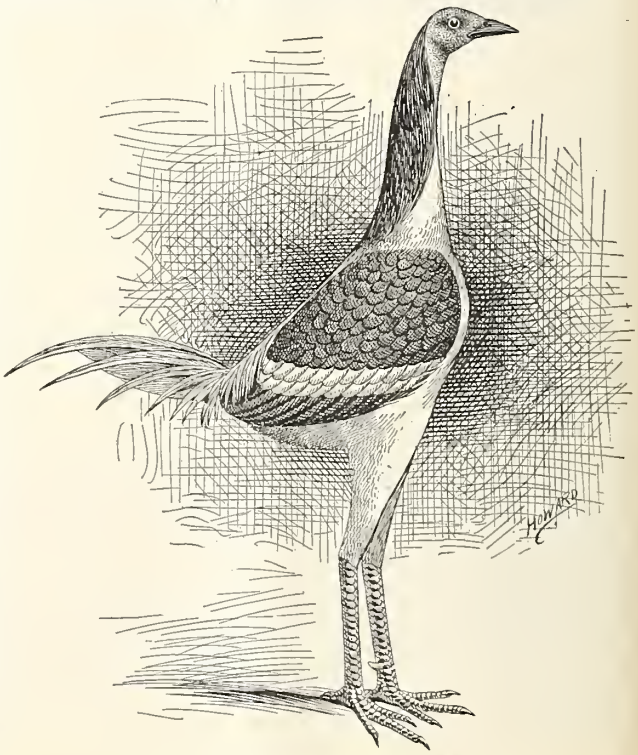
Fraternally,

W. H. HARDIN.

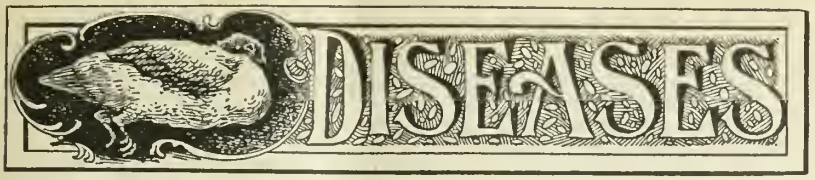
New Tuzewell, Tenn.

Sure to Succeed.

When starting in the poultry business do not expect smooth sailing at first, as brains and work will overcome all obstacles, and with good health, a light heart and plenty of push, you are sure to succeed.



PROFILE STANDARD RED PYLE GAME COCK.



CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Psorospermic Enteritis.

BY DR. D. E. SALMON.

IN the May number of THE FEATHER there was described a form of inflammation of the intestines caused by the lowest forms of vegetable parasites, viz., the bacteria. There is a somewhat similar disease caused by the lowest forms of animal parasites, viz., the protozoa. The varieties of protozoa which cause enteritis are generally spoken of as *psorosperms* and the disease which they produce is known as *psorospermosis* or *psorospermic enteritis*. There are two species of psorosperms which have been found to produce inflammation in the intestines of fowls: the *Eimeria dubia* (*Gregarina avium intestinalis*) and the *Coccidium tenellum*. As the symptoms, the appearance of the intestines, and the treatment varies considerably from bacterial enteritis, it is necessary to devote a special article to the psorospermic form.

CAUSATION.

These parasites, probably in the condition of spores, are taken into the digestive tube with the food or drink. They multiply along the course of the intestine, penetrate the mucous membrane, produce irritation and set up a series of changes in the tissues which very seriously affect the functions of the invaded organs.

The *Eimeria dubia* multiplies also in the connective tissue beneath the mucous membrane, forming small cysts, seen as whitish points, which are found filled with its spores. The inflammation may extend even to the peritoneal coat of the intestine, thus producing a complication of peritonitis with enteritis. The lesions resemble, more or less, those of diphtheria and tuberculosis, and as the liver and lungs are often invaded we can understand why the disease has been called *tuberculo-diphtheria* by Megnin, Cornil and others.

The *Coccidium tenellum* is generally found localized in the small intestine, particularly the duodenum, or in the cæca. It multiplies in the mucous membrane, producing whitish patches, denuded surfaces, and ulcers, and causes a very intense inflammation.

SYMPTOMS.

When only a small number of the nodules of the *Emieria dubia* exist in the intestine of a fowl, no symptoms of disease are seen and the bird does not appear to suffer. When, however, the lesions are more numerous, and particularly when the germs are multiplying on the mucous surface, considerable inflammation results, the processes of digestion and assimilation are interfered with and death may result. The principal symptoms are depression, loss of appetite, diarrhea, weakness, and rapid loss of weight.

The *Coccidium tenellum* produces a more acute, and rapidly fatal disease. There is progressive weakness, stupor, loss of appetite, difficulty of walking, diarrhea, sometimes constipation, plaintive cries and death in a few days. With young chicks there is diarrhea with whitish excrement followed by constipation. With adult fowls the diarrhea is abundant and the excrement may be of a brick-red color or even streaked with blood. It is very destructive to young chickens, frequently a whole brood dies of it, and it may destroy the greater part of those which the possessor on infected premises attempts to raise. An examination of the cæca generally shows active inflammation, though with the chicks which showed constipation the organs named were found of a normal color, but distended with a hard, yellowish exudate containing many of the parasites.

TREATMENT.

Preventive treatment is the most satisfactory. Disinfect the houses and runs with strong carbolic acid solution (three to five per cent.), and scald out the feeding troughs and drinking vessels with boiling water. If possible, change the birds to fresh ground that has never been infected.

As medical treatment, hyposulphite of soda five grains, quinine (sulphate) one grain, sub-nitrate of bismuth two grains may be given two or three times a day to grown birds, and less, in proportion to the size, to the young chickens. A mixture of equal parts of powdered fennel, anis, corriander, gentian, ginger, and aloes has been recommended and may be given in the dose of about five grains for adults, mixed with soft feed.

The chief reliance in combating this disease should be placed in the efforts to eradicate the contagion. If disinfection and change of ground are not successful, dispose of all fowls for a time, plough up the ground, clean up thoroughly and start with new stock, preferably incubator chickens, from healthy flocks.

Keeping Eggs.

At the New York Experiment Station practical tests of the different methods of keeping eggs have been given with the following results: The eggs were all wiped when fresh with a rag saturated with some antiseptic and packed tightly in salt, bran, etc. Eggs packed during April and May with salt, and which had been wiped with cottonseed oil, to which had been added boracic acid, kept from four to five months with a loss of nearly one-third, the quality of those saved not being good. Eggs packed in bran, after the same preliminary handling, were all spoiled after four months. Eggs packed in salt during March and April, after wiping with vaseline, to which salicylic acid had been added, kept four or five months without loss. Little difference was observed in the keeping of the fertile and the infertile eggs, and no difference was noticeable in the keeping qualities of eggs from different fowls or from those on different rations.

When writing our advertisers always mention THE FEATHER.

Cheapest in the End.

When building coops, says an exchange, only the best materials should be used, and they should be made good and strong and after the best patterns procurable. Then, good care being given them, they will last for years, and you will not be put to your wit's end every Spring to provide shelter for your broods. The old barrels, boxes, and other makeshifts so often employed for this purpose are regular chicken traps and vermin breeders, and should have no place in a poultry yard.

Make all coops double. Put in smooth floors so that they can easily be cleaned, and blocks or strips underneath to raise them two or three inches from the ground, so that a heavy rain will not flood them and drown the chicks. It is a good idea to make the front rat-proof with wire netting. Have the opening for the chicks to pass in and out so that it can be opened and closed in an instant; and arrange the door for the hen so that it can be fastened, opened, or shut without difficulty.

Chicken Chatter.

If kerosene is applied in the morning the roosts will be all right by night.

If beginning in the poultry business be sure you get healthy stock or eggs from healthy stock.

Ten or twelve hens well cared for will furnish more eggs than double the number of the same breed uncared for.

Like every other business, poultry keeping must begin in a modest way and increase as circumstances warrant.

Though a pound of bone will give as good results as four pounds of corn, we are not to infer that nothing but bone should be allowed. Give grain and green food, but make the green bone a part of the ration also.

Confinement is not injurious to poultry provided the hens are kept at work. If at liberty and well fed the fowls will not roam and search for food. There is no reason why fowls should not be kept in good laying condition inclosed with fences if their wants are satisfied.

It will pay the poultryman to properly care for the eggs and not permit them to remain longer than a day in the nest. They should be gathered daily and stored in a dry place where the temperature is about fifty degrees; and if intended for hatching should be gently turned once a day.

The wealth there is in the poultry business is wonderful. Every farmer should be anxious to have his share of this surplus. Business methods will help to do it, but the usual neglectful manner of caring for the flock on the farm will always bring but meagre results. Try the business system with the farm flocks for one season.

When the weather is warm use plenty of whitewash around the interior of the henhouses, roosts, and nests. A good plan is to whiten up everything about the poultry quarters every month during the Spring and Summer. A white building is more attractive than a dingy one. The fowls like it, and this alone is a good reason for keeping it so.

Laying hens should be given plenty of meat. Fowls that have their liberty do not require as much meat as hens that are confined, as they pick up many insects, bugs, etc. However, it will be found that two or three feeds a week of fresh, juicy, lean meat will give tone to all poultry, causing them to appear brighter and more healthy, and the eggs will be more abundant.

The Feather,
Washington, D. C.

Published the 15th of Each Month by
GEORGE E. HOWARD & CO.

Subscription 50 Cents a Year in Advance.
Single Copies 5 Cents.

GEORGE E. HOWARD, Editor.

All matter intended for publication should reach us by the first of the month preceding the issue in which the same is to appear.

Write your name in full, giving full post office address plainly, so there will be no mistakes.

When writing for publication use only one side of paper. Brevity is the soul of wit.

Advertising in The Feather.

The Feather now offers the best and cheapest advertising in the country. Its circulation has increased more than one hundred per cent. during the last year. Its advertising rates are lower than those of any other journal of equal standing and circulation.

The Feather reaches the people that transact the poultry and pigeon business of the country. Its publishers have made a special effort to include among its readers all the most successful and most enterprising fanciers. Advertisers are often astonished by the large amount of business which comes to them after running their card a few months. There is no other medium which reaches so large a proportion of readers in all sections of the country who are able and willing to buy when they learn who are offering the stock or supplies which they need.

Bills of five dollars or less are payable in advance.

All other bills are payable quarterly after the first insertion for the quarter.

Five per cent. discount will be allowed on bills of over five dollars which are paid in advance.

No advertisement will be inserted at any price from persons who are not responsible or who fail to deal honestly with their patrons. We particularly request our readers to notify us of any advertisers whom they believe to be dishonest or fraudulent. Honest advertisers will be protected --dishonest ones will be denounced.

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JULY, 1897.

Poultry on the Farm.

Much has been said and written concerning the value of poultry on the farm, but, notwithstanding the efforts of speakers and writers, the farmer himself has but faintly realized how much the feathered occupants of the premises have done or are capable of doing for him. Largely obtaining their living from refuse or wasted grain, from insects and the odds and ends which have no value on the farm for any other purpose, the poultry have given a product which was nearly all profit. It is only the attempt to force his birds to live without any expense and without any care, and to yield a product that is all profit, that has brought disaster to the farmer's poultry business.

It is too much to expect of any enterprise, however, that all returns can be counted as clear profit. The hen has done her duty. She has been up early in the morning and diligently sought for food out of which to manufacture flesh and eggs. She has turned everything in the line of eatables to account. Grain, meat, vegetables, grass, insects, worms have all been used as raw material. And because she has failed to lay her weekly supply of eggs regularly during the season when she could scarcely find enough in the way of food to sustain life, or during the time she was being devoured alive by vermin, she has been abused and villified.

Secretary Coburn, of the Kansas Board of Agriculture, has forcibly called attention to the services rendered by the poultry of the farm in his dedication of a recent quarterly report. He says: "The Helpful Hen. While everything else was going to rack and ruin, she increased and multiplied; she supported herself and the family too. The very insects which would have despoiled the farm she fattened upon, laying her daily egg —the blessed egg that took the place of beef and milk, mutton and pork—and in good time, after all these services, surrendered her toothsome body to the cause of humanity."

The hen has done all this and more; but how large a proportion of our farmers have given her an opportunity to do all that she would gladly have done? How many have seen that she had regular food; that her roosting place was dry and free from tormenting parasites; that she had a decent place in which to deposit her egg? The poultry product of our farms is enormous, but it might be much larger. The great majority of the fowls on farms are the commonest mongrels—scrub stock, made comparatively worthless by exposure, neglect and starvation. It is no wonder that some farmers can figure out no profit from their poultry. Recent years have, however, brought great improvement. Farmers are giving their poultry more care and are being repaid a hundred-fold.

What is needed to-day is better stock. Don't stop to breed it up—that process is too slow. Close out the old stock and replace it with some of the splendid varieties which our fanciers are now offering. Get birds bred for both beauty and utility—birds that have been bred for generations to yield profitable returns. With such birds properly cared for there would be no disappointment, and every farmer might reasonably look to his poultry yard as the most profitable department of his farm. To the individual, this would mean happiness and prosperity; to the country, many millions of added earnings.

* * *

They Will Not Conflict.

The three great show centers of the East, Boston, New York and Washington, must not conflict in their dates. The Boston dates were practically settled for January 17-21, 1898, while the last show was in progress. The Washington dates were fixed two months ago for the first week (1-5) in February next. The announcement has just been made by the New York management that their dates are February 2-6, 1898. These are the same dates that Washington has chosen. This will never do and one must be changed if either or both shows are to be successful. We know that the New York management is not responsible for the choice of dates; they must take the dates that the officers of the Madison Square Garden are willing to give them. In view of these circumstances the Washington Association is the one to change, much as we may regret being obliged to do so. We are satisfied that this is the right course to pursue, and in view of the friendly feeling which has always existed between the two associations, our association has decided to select the 15th to the 20th of February as the dates of the Washington event. This is about the same circuit that was made two years ago, and there will be a lapse of about nine days between each event. This is ample time for exhibitors who desire to make the circuit to prepare their birds to the best advantage. The only objection that can be made against the Washington dates is their lateness in the season. We do not think this should in any way interfere with the success of Washington, as there is ample time for the breeding season afterward. Then again, we are convinced that the "boys" will be in line this year for Washington, no matter what its dates are.

* * *

A Trip to be Remembered.

It was our good fortune recently to visit a number of the successful poultry plants of the East. The kindly reception we received by one and all causes us to look upon the trip as one of the pleasantest we have ever taken. At first we felt a slight regret that our ambition did not lead us to cross the "pond," but these regrets were soon thrown aside after we had gotten fairly started on our travels. We never appreciated the fact more fully than we do now that there is considerable work yet to be done before we shall even be tempted to consider an "European research" for more gems to brighten the crowns of the poultrymen on this side of the earth's surface. As we stood on the highest elevation of Fisher's Island, we could but wonder as we looked at the gray streak which divides the sky from the water, what must be a poultry editor's thoughts as each revolution of the wheel carried him farther into the deep and mysterious "beyond." We shall know presently.

But returning to our trip, we feel that we have indeed learned many things which are sure to be of benefit to our readers. It will take many pages of THE FEATHER to tell all that we saw and learned. We visited Messrs. A. J. Hallock, Atlantic Farm, E. O. Wilcox, W. M. Tuthill, and R. B. & C. H. Dayton, at Speonk, L. I.; W. H. Pye, Eastport, L. I.; Chas. F. Newman, Staten Island; J. F. Crangle, Fisher's Island, N. Y.; Philander Williams, Taunton, Mass.; Oakland Farm, Taunton, Mass.; James Rankin, Easton, Mass., and George H. Pollard, South Attleboro, Mass. At New London, Conn., we had the pleasure of meeting the members of the Eastern Connecticut Poultry Association. The show given by this association last year was a decided success and every member is enthusiastic over their coming show to be held at New London, December 15-18, 1897. The association has been incorporated and ample stock has been subscribed to more than guarantee its success. An entire evening was pleasantly spent at the residence of Mr. Fred. W. Mercer, the president of the association. It was a love feast of genuine "chicken" fanciers, and it was to be regretted that time fled so rapidly, and we were so soon compelled to continue our journey.

* * *

Never Too Early to Begin.

From all sources reports come of larger sales and increased demands for fine poultry and eggs. Breeders have felt the revival of prosperity that THE

FEATHER predicted a year ago in a greater measure than they had anticipated. Many were compelled to refuse orders because they could not fill them, some even asserting that they could not supply one-half the trade they had this Spring. This is to be regretted after the "crying" times we have been through the last four or five years; but, then, this is only the beginning of the prosperous times that are yet to come. Already calls are being made for stock, and orders are being filled hourly. To some this seems rather early to talk of the Fall and Winter trade, but to the business man who is ever alert, it is never too early to talk business. It is impossible to think that a man in these progressive times can sit down and wait for business to come to him. You must "put on your spurs and be at your speed" if you ever hope to have success in your work. While you are waiting others are getting, and getting is what counts when the figures are added up. A better time to begin selling your young stock could not possibly be had than now. The advertiser who always keeps his doors open for business is the one who gets his portion of the trade. The reader soon learns his place of business and knows without hunting just where to find the things he wants. On the other hand, the breeder who advertises periodically can hardly hope to do justice to himself. An advertisement begun in August will be just the time to solicit the Fall and Winter trade, and when the busy season opens you will be fully prepared to attend to your share of the patronage.

* * *

A Growing Enterprise. Interest in poultry raising in this section continues unabated. The last two years have been memorable ones to the industry in the States of Maryland and Virginia. Foundations have been laid for numbers of large broiler plants, besides those of the hundreds of fanciers who have started the work of breeding exhibition poultry. The most progressive efforts have been shown by the Long View Poultry Yards, at Hyattsville, Md. Mr. John L. Waggaman is proprietor of these yards, and began broiler raising in earnest less than two years ago. During last Winter the capacity was about 4,000 eggs. The plant has since last Fall been under the management of Mr. George G. Harley. Under his care the business has grown to a flourishing state, and the plant has been enlarged to double its former capacity. Additional buildings are being erected to accommodate 2,000 laying hens; killing-houses, feedhouses, and brooder-houses are being enlarged to accommodate the growth of the plant. A gas plant is in operation for running the incubators, and, in fact, every approved modern idea is applied to facilitate the work with the best results. THE FEATHER congratulates Mr. Waggaman and feels assured of his continued success.

* * *

A Matter of Congratulation. This has been a gratifying season to the poultry industry. Notwithstanding the unsettled condition of the country, the changing of administrations, and the prevailing "hard times," the sales of stock and eggs have been greater this year than for several years past. The financial depression has been of less consequence to the poultry industry than to any other of the business enterprises of our land. Poultry and eggs are staple articles of food that will always be found on our tables. The American poultryman has a bright and promising future before him. The increased demand for stock and eggs is a matter of congratulation to the breeders of good stock, and leads us to believe that interest in the work will increase steadily from this time on. Not only has the fancy trade been exceptionally large this year, but the demand for market poultry has been proportionately as great. The markets have never been glutted with poultry or eggs, nor is there any likelihood of their being, when two million dollars are being spent annually for importations of poultry and eggs in this country. The home markets must be first attended to and then the American poultryman will find almost as great a field in the export trade as he has at home. Poultry and eggs can be grown cheaper here than in any other country, and commerce lays at our hands the means for supplying the world. Instead of importing two million dollars worth of poultry and eggs each year, we should be exporting double that amount. Let the American poultryman ask himself if, indeed, he has not cause for congratulation.

* * *

Revision of the Standard. Within a short time the committee appointed by the American Poultry Association at its last meeting to revise the Standard of Perfection will meet and begin its important work. THE FEATHER expresses explicit confidence in the ability of the committee to do the important work assigned to them. The *personnel* of the committee is as good as can be named from the membership of the association, and each name is a guarantee to the individual breeder that his interests will be carefully guarded. Many valuable suggestions on the revision have been submitted through the press lately, and the expressions of the country are generally understood. The American Poultry Association is the father of the fancy in this country, and we may properly attribute the success of making fine poultry to its influence and guidance. The excellent list of "thoroughbreds" is an everlasting monument to its name, and the passing of the "mongrel" has been a result that is welcomed by the average poultry breeder and fancier. We should take the American Poultry Association into our confidence, look upon it as our benefactor, and not fear it as some do. The Standard has made the breeds we are justly proud of, and the Standard has always been applied with equality for the practical as well as the beautiful. The Standard has given us beautiful, practical birds in the past that have demonstrated their utility as money-making and profitable birds for the farmer as well as for the fancier. Let us welcome the meeting of the committee and assist them in the furtherance of their work.

* * *

The New Tariff. It is practically settled that the new tariff law will give poultrymen the same protection which was given them in the McKinley bill. Eggs imported into this country will be subject to a duty of five cents per dozen; live poultry will pay three cents a pound, and dressed poultry five cents a pound. This will give suitable encouragement to the American hen. The law now in force taxes imported eggs three cents a dozen, live poultry two cents and dressed poultry three cents a pound.

Richard Smith.

It is with much sorrow we announce the sudden death from apoplexy of Richard Smith, of this city, on Tuesday, June 22d. Mr. Smith has for many years been one of the most enthusiastic breeders of poultry in this section of the country, and has always been identified with every move that was calculated to advance the interests in fine stock. Years ago he was the organizer of the shows of this city, and their successes were in a large measure due to his untiring efforts. At the organization of the National Poultry and Pigeon Association two years ago, he became a member, and was elected its first vice-president and also a member of the board of directors. At the first annual election he was unanimously re-elected to the same positions. On the reorganization last month of the same association he was again foremost in his support for the incorporation of the association, and advocated measures that were calculated to strengthen the work in this section, and place Washington in the first ranks of show centers.

By profession, Mr. Smith was a lawyer, and held the respect and esteem of his associates.

All the courts were adjourned in his honor, and suitable action was taken by the association. Mr. Smith's death was, on the whole, unexpected, for although he had been in ill-health for a month past, it was thought that his ailment was only a slight one, and no serious consequences were apprehended. The attack seized him while he was in the bath, where, after being missed for some time, he was discovered dead by a member of his family.

He was the son of the late John A. Smith, for a number of years clerk of the district court, and was a cousin of Judge Walter S. Cox. He was a native of Washington, having been born here in 1843. Mr. Smith had, to a great extent, retired from active practice, having amassed a competency in his younger years, and loved to meet his fellow lawyers rather upon social occasions than in the court room. He was one of the original members of the Metropolitan Club, president of the Patuxent Club, and founder of the Lawyers' Club. He was unmarried, and is survived by three sisters.

Homer Lost.

Mr. E. Satterthwaite, Stanton, Del., writes that he has lost a chocolate cock, open band No. 70, and that he will give a pair of youngsters for its return.

Will Help Us Both.

When writing to advertisers be sure and state that you saw the advertisement in THE FEATHER. This will help you as well as us. Advertisers like to know where their business comes from, and they consider it a favor to be informed. They consequently feel more friendly toward people who tell them, and are willing to do better by them.

Don't Overcrowd.

The tendency to overcrowd has proved a great cause of failure with the poultryman who conducts business on a small scale. No two hens are alike in disposition; some will occupy the whole house, get all the food, and crowd out the weaker ones. It is, therefore, necessary to provide plenty of room for all. At least two square feet of floor room and ten inches of perch room should be allowed for each fowl.



CONDUCTED BY J. C. LONG, NEW YORK CITY.

A PRIZE ESSAY.

Construction and General Management of the Pigeon Loft.

BY JAMES LAIRD.

ON READING the above title I indulged in a most elaborate smole at the troubles in store for the poor adjudicator; for the great diversity of lofts in size, shape, position and internal arrangement, all of which—according to their owners—are best, must necessarily produce a most perplexing array of material for him to wade through.

The term loft, according to my interpretation, signifies the space between the last laid joist of a dwelling or outhouse and the roof, and to such my remarks will be directed.

I may premise that, for breeding purposes, I do not care for lofts above dwelling-houses at all, having come across too many where the crop of youngsters was extremely disappointing, whilst another objection is that there is no saying when a cantankerous neighbor may complain, and cause the loft to be emptied. For breeding very early birds they are useful, but, in the heat of Summer, they are far too dry; and, strange though it seems, I have found, in ground erections, that eggs hatch better in a slightly damp corner. That excessive dryness of the surroundings is antagonistic to success I witnessed a partial confirmation of some time ago, when a house placed on the opposite side of a wall from a baker's oven had to be converted into a flight. Further, last year a few pairs of Fantails that had bred well when in a ground erection, were removed to a loft above a dwelling-house, and the result was a failure.

In providing a habitation for pigeons, the primary consideration is ventilation, which, with a loft, is sometimes a very difficult matter, on account of adjoining buildings. Where both ends are built against there is nothing else for it but a window back and front, or a revolving roof ventilator; but, where one end is free, the airlet should be as high up on this as possible, and a common sheet-iron ventilator on the roof at the other end would suffice. The great point is to provide as much air as possible without creating a draft. There are lofts and lofts, but the worst is that which has not been plastered. The nails of the slates project through the roof sacking, whilst the latter expands and contracts with the weather, and, when in the latter state, creates an elaborate variety of drafts. It is rather much to expect tenants to go to the expense of lath and plaster, so they compromise the matter by stretching sacking along the joist, and covering with old paper, which, if kept well lime-washed, suits very well, and makes a great improvement in the interior.

In such places mice, if not watched, are very troublesome, as they will come from all quarters of a tenement to assist in the grain demolition, and we all know the effect of "mousey" grain upon pigeons. There is no necessity, though, that they be permitted to gain a footing at all, for, if the floor is sound, the fixing of tin around the edges will exclude them. Though this is done, there is no harm in keeping an old-fashioned holed trap, bated with hemp-seed, lying about, as it will clear off stragglers.

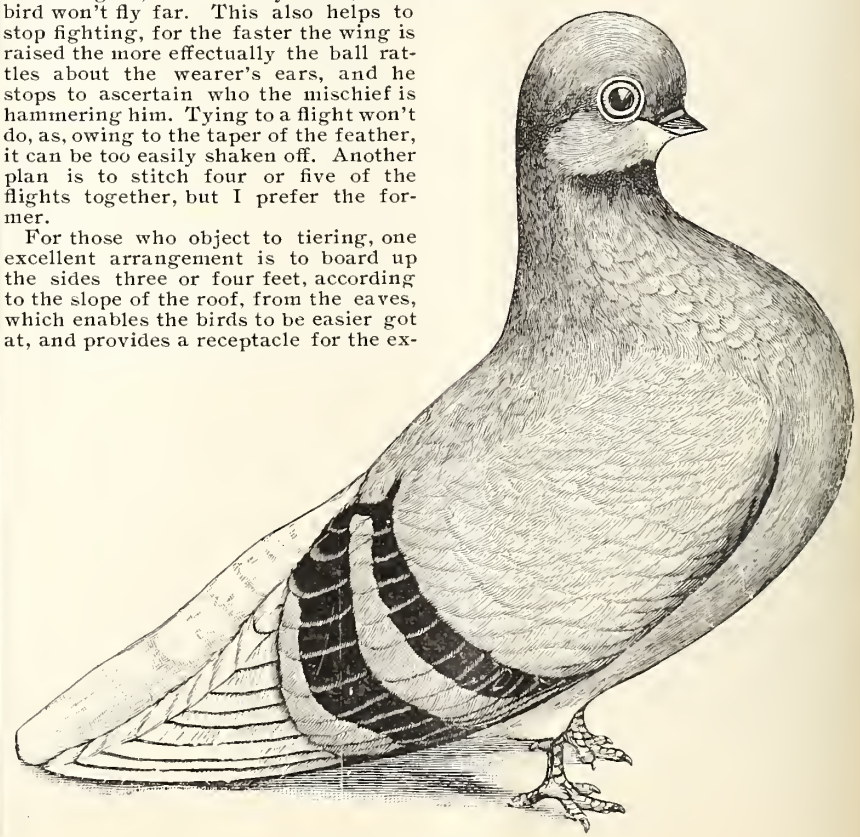
The fittings are generally regulated by the shape of the loft and the ideas of the owner. Some say all nest-boxes should be on the floor, while others affirm to the contrary. Personally, I rather like tiering; it saves a lot of egg smashing and damaging of youngsters, as some birds are never content with the place allotted them, but go over the whole shop, kicking up rows. Tiering stops a deal of this, as it enables the delinquent to be kept downstairs, to accomplish which some cut one of the wings; but there is no necessity for thus disfiguring a bird. If a little ball of wool or paper is firmly attached to a piece of strong thread or fine twine, about five inches long, the other end passed through the stem at the bottom of one of the flights, and securely fixed, that bird won't fly far. This also helps to stop fighting, for the faster the wing is raised the more effectually the ball rattles about the wearer's ears, and he stops to ascertain who the mischief is hammering him. Tying to a flight won't do, as, owing to the taper of the feather, it can be too easily shaken off. Another plan is to stitch four or five of the flights together, but I prefer the former.

For those who object to tiering, one excellent arrangement is to board up the sides three or four feet, according to the slope of the roof, from the eaves, which enables the birds to be easier got at, and provides a receptacle for the exhibition boxes, etc. The nesting-boxes could be movable ones, eighteen inches square and twelve high, with an entrance hole in front, but neither back nor bottom. The sides of the loft form a back, and, if quarreling starts, placing the back of one to the side of another helps, by deviating the entrance, to stop it. One advantage they have is that, by simply tilting them up, the squabs can be examined without handling. Any who wish two side tiers, can, if the fall of the roof permits, easily arrange for them. In at the eaves an eleven-inch board is fixed on edge, whilst another, to give the requisite seclusion, constitutes the bottom portion and front. Partitions are fixed to each joist, and the remainder of the front consists of movable doors of either wirework or wood strips. Each box should have a separate landing board, which prevents a bully from claiming a whole row. The upper tier could be divided off in a similar manner, care being taken to give as much head room as possible. A lot of bother and expense could, no doubt, be saved by tiering against the ends, but I have yet to meet the pigeon particularly anxious to occupy them when so placed. —*Fanciers' Gazette.*

[*To be concluded next month.*]

Tobacco Stems are Good.

Mr. Charles C. Munroe, New Bedford, Mass., writes that he has received THE FEATHER for April and that if all the numbers are as good as that one he considers that the people are getting more than their money's worth. Regarding a query from one of our correspondents as to whether tobacco stems are good for pigeons' nests, he says his pigeons use tobacco stems exclusively for their nests with the very best results.



SHORT-FACED BLUE BEARD.

Baltimore Tumbler Chat.

Will they turn? We will show you next Fall.

The veteran Roller breeder, John Langville, has Saddles and Badges in all colors, also several pairs nice Whites, one pair Silvers and one pair Blacks. Eighteen pairs are being bred this season, and so far have some promising young on the floor. His loft is headed by the crack Blue Saddle cock, first at Boston last year. John is a thoroughbred, and knows a good one when in the shell.

Mr. Henry Justi cares for nothing but Long Muffed Solid Whites. We say, stick to them, and keep on, as we know good Whites are very rare. He has some "crackerjacks" that could stand company with some of our best colored birds, and so far a couple of 1897 beauties.

A variety of Tumblers can be found at the "Electric Tumbler Lofts" of Mr. H. Wickleins. He has them in all colors, from the stately Muffs to the gem Clean-legs. All have their liberty at these lofts, and can do the act when in the air, from which they derive their name, and as for close performing, can turn in a barrel, of which he is a manufacturer. Some real good young occupy his floors.

Two long years have been spent by George Belt experimenting with his birds, and this year he has them mated to produce Black Rose-wings and something new in Tumblers. Already, to his surprise, he finds one of the "latest," a Red-black Mottle. Think of it, ye Tumbler breeders, a solid Red, with black mottle markings! It's a real new one. Wish him many more, also promoter of the only kind. George is charging twenty-five cents to see this bird, and says he is simply coining money.

A little down Charles Avenue, yes, away down, we find "Little Tom's Loft." Mr. Clayland has Whites, Blacks, Blues, Silvers, and Reds, among the lot being some very nice ones.

Within a stone's throw of the last-named loft stands the elevated loft of Mr. Fred. Walperts, overlooking the banks of the Patapsco River, which borders our Monumental City, and therein can be found most all colors of Tumblers. Fred. likes good ones, and only this kind can be found in his loft.

Mr. Miekel's favorite color is black only, and of these, we must say, some very fine ones are among his collection having the desired Tumbler type, with the glossy sheen so much sought after.

Long Muffed Red and Yellow Mottles and Rosewings are Lineman Edward Cotton's favorites. Among the lot are some extra good marked and colored ones fit to show in the best of company; also many grand stock birds. Ed.'s motto is, and every other breeder's should be, "Buy the best, breed better." He announces, look out for the 1897 Mottle and Rose class! A little machine is grinding out youngsters by the dozens, every bird being red and yellow.

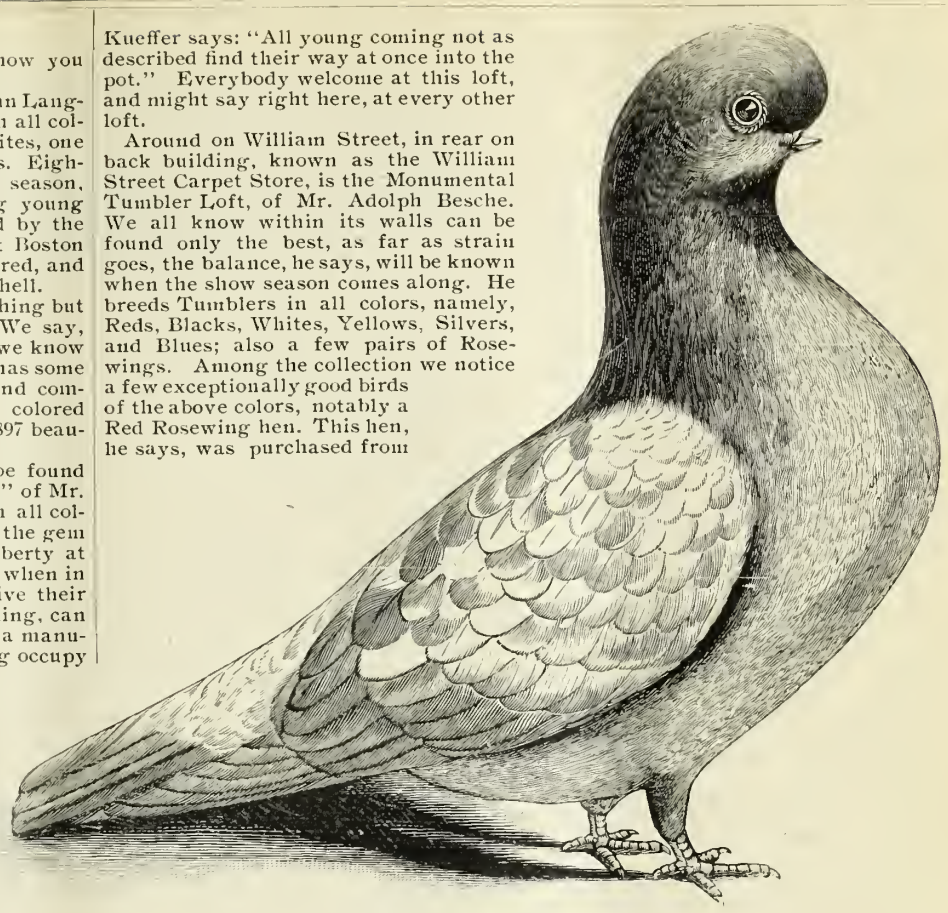
"Blue Badges for me only, boys," says Mr. Ernest Lowe. Within the lot we note some extra good specimens, possessing the true markings, with pearl eyes, and very large boots. We regret to hear of the loss of his best imported hen.

Solid White Clean-legs, real beauties, having all the desired points, such as solid, pure white pearl eyes, clear beaks, proper type and right size are rare. Mr. Kueffer says: "All young coming not as described find their way at once into the pot." Everybody welcome at this loft, and might say right here, at every other loft.

Around on William Street, in rear on back building, known as the William Street Carpet Store, is the Monumental Tumbler Loft, of Mr. Adolph Besche. We all know within its walls can be found only the best, as far as strain goes, the balance, he says, will be known when the show season comes along. He breeds Tumblers in all colors, namely, Reds, Blacks, Whites, Yellows, Silvers, and Blues; also a few pairs of Rosewings. Among the collection we notice a few exceptionally good birds of the above colors, notably a Red Rosewing hen. This hen, he says, was purchased from Mr. Gorse, and won first and special at the late Chicago show. She is, to our way of thinking, the best-marked bird in Baltimore, also being deep red in color and having very large muffs. He claims fairly good luck with young this season.

One of the youngest and most successful Tumbler fanciers is Westly Mason. Westly has White Muffs, and this season has chanced a pair of Blue Owls, and from the latter pair has raised one young. It is said by breeders that know that should this youngster continue to improve as it has since leaving the shell, it should make a world beater.

TUMBLER.



ALMOND TUMBLER.

The Swallow Club.

To the Swallow Breeders of America:

The adoption of another standard, I think, would be most decidedly for the interest of the Swallow. I advocated a change about a year ago, considering that the standard now in use makes no mention whatever of eye-ceres; shape of head and head markings being wrong; and as I think Swallows other than Spot Swallows should have cup-shaped, rather than shell crest, having given my reasons for so thinking in a previous article on Swallows. In view of above would suggest that the club officially adopt the standard for Swallows as given by Rev. W. F. Lumley in "Fulton's Works," revised edition, page 477, which I think more appropriate and which meets all requirements, hoping the members of our club will approve of same. Below may be seen copy of the standard, published for the benefit of fanciers interested in Swallows who have not a copy of above "Works" at hand, thereby giving them an opportunity of comparing it with the one now in use, which was published in June 1st issue of *Pigeon News*. The standard which Mr. Lumley gives is as follows:

BODY.

Shape—Cobby and crouching.

Head—Dove-shaped; showing an indentation over the wattle; rather low, but slightly convex on the crown.

Beak—Slender; rather long and straight; the upper mandible dark, the under one light in color.

Wattle—Very small and smooth; showing a whitish bloom.

Eye-cere—Very fine in texture and dark in color.

Eyes—Black, or "bull-eyed."

Neck—Short and rather thick or cobby in appearance, but having no sign of gullet.

Shoulders—Broad and rather full set; the back being also wide and flat.

Legs—Short, and rather wide apart.

FEATHER.

Markings—Whole body white with the exception of the cap, the wings, and the leg and foot-feathering below the hocks.

Cap—Extending from the wattle to the back of the skull at a clean-cut line dividing the dark skull plumage from the white of the lower part of the head, such line of demarkation to be drawn from the puncture of the mandibles straight under the eyes on to the back of the upper part of the head, just fringing but not intruding into the white lining of the crest.

Crest—To extend from the back of the eye to eye, rising about one-fourth of an inch over the cap, showing a cup-like cavity, but not resting on or touching the head; the crest should be wholly white, including its inner lining.

Wings—All small and large feathers

dark below the scapular plumage; this should form a kind of heart-shaped white saddle lying at the top of the shoulder end of the back. Flight-feathers long and wide in web.

Tail—Wholly white. The larger tail-feathers should be rather long and wide in web.

Leg and Foot-feathering—Long and slipper-pointed on the feet; the hock-feathering being long and evenly projecting toward the vent. No bareness should be visible between the feet or on the legs.

PHYSIQUE.

Carriage—Squatty, that is, low on legs and short, and rather projecting in front of the body.

Plumage—Abundant and but moderately close in fitting; the flights being carried rather loosely and the tail somewhat widespreading.

Condition—Very lustrous in the dark shading of the plumage, and free from all soil on the foot and hock-feathering.

In regard to classification for Swallows, will say again I think it unreasonable of fanciers of any variety of pigeons to expect promoters of shows to give liberal classification on their respective variety year after year and then refuse for one reason or another to show their birds, thereby causing an unpleasantness all around, also doing that variety an injury as regards future shows and its future welfare as well. That such may not be the misfortune for the Swallow, would suggest that members kindly ask for such classes, no matter how many, to the extent they think there is every reason and probability of filling. Considering the number of fanciers who are members of our club and those who will join with us shortly, I feel confident that if all do their duty towards the Swallow we can more than fill necessary classes to the entire satisfaction of all concerned. I hope that such may be the case, as it will be greatly to our advantage to try and make the largest and best showing of Swallows ever seen in this country by keeping them on the boom and pushing them to the front, where they surely will be in the near future provided members will only continue their good work as in the past.

Personally I am in favor of cock and hen classes for old birds, and strongly recommend that classes be provided for young birds; by so doing it has a tendency to draw out many young birds which otherwise would be kept at home, also giving fanciers more of an opportunity for noting the breeding results of others, and thus cultivating interest in the fancy. I think the most interest is shown in the young-bird classes by the majority of fanciers at shows. Again, if young-bird classes are provided for they offer more encouragement to the young fancier to show his birds, knowing in those classes he will not have to compete against a many-time winner. Have noted several times in show reports something similar to this: "Mr. So and So's 'champion' easily wins again, being the finest specimen shown for years, and doubt if his equal will be bred in many years to come." That's all very well for the fortunate possessor of such a pigeon. On the other hand, how about those fanciers who are less fortunate, especially the timid beginner who must have encouragement to show his birds? For the above reasons I think it would be beneficial to the entire fancy if classes be provided for young birds in all varieties. Hoping the members of our club will be favorable and vote to award cup to best Swallow bred in 1897, I am,

Fraternally,

FRED. HEINTZ, President.

Boston, Mass.

In suggesting twenty-four classes for Swallows, as follows: Full Head White Barred in four colors, Black, Red, Yellow and Blue, one cock and one hen in each color, making eight; the same number in Plain-wing and also same number in Snip or Fairy Swallows, I did so to limit the number of classes, the above being the four standard colors.

Some fanciers wanted an extra class for Dark Bars, some for Checkered, some for Silver. I am sure any Swallow fancier with a little experience will agree with me that it would not be prudent to give classes to Dark Bars, Checkered or Silver, even if we make a class for any other color. The Silver fanciers will kick if the Checkered fanciers get the prize and the Dark Barred fanciers will think ugly things of the judge, even if they do not express them. I do not wish to dictate what classes we are to have. I am always willing to agree with the majority, simply suggesting what I think is best.

Mr. Twombly thinks I would have a hard time to get all those classes, namely, twenty-four. I will state that I hadn't any idea of asking any show for all those classes. I have had a little experience in show matters and know what varieties help pay show expenses. I shall endeavor to find out at what particular shows our members intend to show; what color, what variety, and then ask for classes accordingly.

I have only received one letter favoring a young class. I am pleased to hear from all the members or Swallow fanciers, and would like them to suggest anything that might be a benefit to the club, Standard or classes.

G. A. FICK, Sec'y.

Coming Events.

Aug. 16-20—Mt. Gretna, Pa. Mt. Gretna Agricultural, Mechanical and Industrial Exposition. M. B. Blauch, sec'y.

Aug. 30-Sept. 11—Toronto, Canada. Victorian-Era Exposition and Industrial Fair. H. J. Hill, sec'y.

Sept. 14-17—Middletown, N. Y. Orange County Agricultural Society. D. Lincoln Orr, sec'y.

Oct. 12-15—Hagerstown, Md. John L. Cost, superintendent.

Nov. 2-3—Hamilton, Va. Old Dominion P. and P. Ass'n, of Loudoun Co. R. J. N. Reid, sec'y.

Nov. 22-26—Ashley, Ohio. Ashley P. and P. S. Ass'n. E. C. Sipe, sec'y.

Nov. 24-26—Mt. Ayr, Iowa. Ringgold Co. P. Ass'n. W. E. Burleigh, sec'y.

Nov. 24-27—Johnstown, N. Y. Adirondack P. and P. S. Club. H. J. Quilhot, sec'y.

Nov. 25-27—Independence, Mo. Jackson Co. P. Ass'n. Wm. Bostian, sec'y.

Nov. 29-Dec. 2—Seneca, N. Y. Seneca P. and P. Ass'n. Fred. Hobel, sec'y.

Nov. 29-Dec. 4—Lebanon, Mo. Laclede Co. P. Ass'n. Geo. H. Hinds, sec'y.

Nov. 30-Dec. 3—Auburn, Neb. Nemaha Valley P. Ass'n. L. L. Alspaugh, sec'y.

Dec. 1-4—Fall River, Mass. Fall River P. and P. S. Ass'n. H. L. Winslow, sec'y.

Dec. 1-6—Miamisburg, Ohio. Miami P. Ass'n. Oliver L. Dosch, sec'y.

Dec. 6-11—Sedgewick, Kans. Harvey Co. P. Ass'n. W. M. Congdon, sec'y.

Dec. 6-12—Cleveland, Ohio. Nothern Ohio P. and P. S. Ass'n. F. R. Hunt, sec'y.

Dec. 7-10—Parsons, Kans. Parsons and S. E. P. Ass'n. J. R. Alexander, sec'y.

Dec. 7-10—Dallas, Tex. Dallas P., P. and P. S. Ass'n. H. M. Skelton, sec'y.

Dec. 7-11—Prophetstown, Ill. Rock River P. Ass'n. W. W. Moyer, sec'y.

Dec. 8-11—Danbury, Conn. Danbury and Bethel P. Ass'n. F. Bowman, sec'y.

Dec. 8-12—Paola, Kans. Miami Co. P. Ass'n. E. E. Johnson, sec'y.

Dec. 13-18—St. Louis, Mo. St. Louis Fanciers' Ass'n. J. H. Ahrens, sec'y.

Dec. 14-16—Coulterville, Ill. Egyptian P. Ass'n. Samuel Eyre, sec'y.

Dec. 14-17—Clinton, Mo. S. W. Mo. P. Ass'n. W. H. Talbert, sec'y.

Dec. 14-17—Titusville, Pa. Titusville P. Ass'n. C. M. Hayes, sec,y.

Dec. 14-17—Oneonta, N. Y. Oneonta P. and P. S. Ass'n. Arthur J. Relyea, sec'y.

Dec. 14-18—Dixon, Ill. Rock River Valley P. Ass'n. F. W. Fargo, sec'y.

Dec. 14-21—Topeka, Kans. Western Pigeon Club. M. F. Hankla, sec'y.

Dec. 15-18—New London, Conn. Eastern Connecticut P. Ass'n. Chas. B. Smith, acting sec'y.

Dec. 15-18—West Chester, Pa. West Chester P. and P. Ass'n. F. D. Reid, sec'y.

Dec. 15-21—Bloomington, Ill. Bloomington P. Ass'n. J. D. Shipley, sec'y.

Dec. 20-25—Princeton, Ill. Central Illinois P. Ass'n. A. C. Best, sec'y.

Dec. 20-25—Lansing, Mich. Central Michigan P. Ass'n. Chas. H. Crane, sec'y.

Dec. 21-24—Palmyra, Ill. Palmyra P. Club. S. A. Rigg, sec'y.

Dec. 21-24—Sandusky, O. Associated Fanciers' Ass'n. E. G. Rogers, sec'y.

Dec. 21-24—Lincoln, Ill. Logan Co. P., P. and P. S. Ass'n. F. A. Hickman, sec,y.

Dec. 22-25—Ashland, O. Ashland Co. P. Ass'n. H. A. Mykrantz, sec'y.

Dec. 23-30—Kansas City, Mo. Mid-Continental P. Ass'n. F. M. Slutz, sec'y.

Dec. 26-31—Tacoma, Wash. Tacoma P. Ass'n. Stephen Holbrooke, sec'y.

Dec. 27-Jan. 1—Wilkes Barre, Pa. Wilkes Barre P., P. and P. S. Ass'n. E. S. Kirkhuff, sec'y.

Dec. 28-30—Haverhill, Mass. Merrimack Valley P. Ass'n. George H. Greenman, sec'y.

Dec. 28-Jan. 1—Springfield, O. Springfield Fanciers' Ass'n. W. H. Holmes, sec'y.

Dec. 28-Jan. 1—Erie, Pa. N. W. Pa. P., P. and P. S. Ass'n. A. E. Blethen, sec'y.

Dec. 29-Jan. 1—Mansfield, O. Mansfield P., P. and P. S. Ass'n. C. W. Etz, sec'y.

Dec. 29-Jan. 1—New Haven, Conn. New Haven P. Ass'n. N. D. Forbes, sec'y.

Dec. 30-Jan. 4—Ottawa, Kans. Franklin Co. P. Ass'n. Mrs. D. F. Heiser, sec'y.

Jan. 3-7—Geneseo, Ill. Geneseo Poultry Show. Wm. G. Warnock, sec'y.

Jan. 3-8—Buffalo, N. Y. Erie Co. P. Breeders' Ass'n. E. C. Pease, sec'y.

Jan. 3-8—Detroit, Mich. Michigan State P. and P. S. Ass'n. F. W. McKinzie, sec'y.

Jan. 4-7—Canton, O. Canton P. Ass'n. Wm. Friedman, sec'y.

Jan. 4-7—Carey, O. Carey P. and P. S. Ass'n. T. W. McClure, sec'y.

Jan. 4-8—Peoria, Ill. Peoria Feathered Stock Ass'n. T. A. Godel, sec'y.

Jan. 10-15—Rochester, N. Y. Rochester P., P. and P. S. Ass'n. J. J. Beveridge, sec'y.

Jan. 10-15—Indianapolis, Ind. Indiana State P. Ass'n. Thos. W. Pottage, sec'y.

Jan. 10-15—Rockford, Ill. Northern Illinois P. Ass'n. A. H. Currier, sec'y.

Jan. 10-15—Cedar Rapids, Iowa. Linn Co. P. Ass'n. Chas. H. Playter, sec'y.

Jan. 10-15—Louisville, Ky. Kentucky State P. Ass'n. J. R. Mount, sec'y.

Jan. 10-17—Los Angeles, Cal. Los Angeles Co. P. Ass'n. Henry W. Kruckeberg, sec'y.

Jan. 11-15—Nashville, Tenn. Tennessee P., P. and P. S. Ass'n. J. M. Hopkins, sec'y.

Jan. 11-15—Washington C. H., O. Southern O. P. Ass'n. W. R. Dalbey, sec'y.

Jan. 12-14—Charlotte, N. C. Charlotte P. and P. S. Ass'n. W. M. Barringer, sec'y.

Jan. 17-21—Boston, Mass. A. R. Sharp, Supt., Taunton, Mass.

Jan. 24-29—Chicago, Ill. National Fanciers' Ass'n. Chas. S. Weaver, sec'y.

Jan. 31-Feb. 3—Henry, Ill. Illinois Valley P. Ass'n. A. G. Humphrey, sec'y.

Feb. 1-5—Bluffton, O. Consolidated P. Ass'n. D. J. Kohli, sec'y.

Feb. 2-6—New York. Madison Square Garden. H. V. Crawford, sec'y, Montclair, N. J.

Feb. 15-20—Washington, D. C. National P. and P. Ass'n. George E. Howard, Sec'y.

Fall River Show.

The first annual exhibition of Fall River Poultry and Pet Stock Association will be held in Fall River, Mass., December 1-4, inclusive. Score cards to be used in judging, and any information may be had by addressing H. S. Winslow, corresponding secretary.

One Kind Exclusively.

The Messrs. A. W. Gluesenkamp & Son, Batesville, Ind., are breeders of the Single-comb White Leghorn. These gentlemen make a specialty of this variety and those desiring good birds can no doubt find them in their yards. If you will notice their ad. in this number you will see that they will send you a cholera recipe for three one-cent stamps. Write them for their prices of stock for Fall delivery.



THE HOMING INSTINCT.

Theorizing Has Not Yet Explained This Wonderful Trait.

THE homing instinct of pigeons has been increased by years of careful breeding in the same way as the speed of the birds, until their performances are phenomenal. A great deal has been written theorizing on the way these birds find their way home from such long distances, and every breeder probably has a theory of his own. Darwin spent twenty years studying these birds and kept them constantly around him during that time, and though he failed to prove any theory on this point, he did prove two very important points or facts in connection with the subject; first, that their memory was phenomenal, and secondly, that their eyesight was limited by the horizon only. They note every object, however small, and never seem to forget. Taken out in a basket hundreds of miles from their loft and released, if they fail to make a start toward their loft for any reason, either on account of a fog coming on or being chased by a hawk, they will return to the place of release and from there make a fresh start. I have tried the experiment of laying such a small thing as a pencil on the floor in the doorway through which they had to enter their loft, and it would be perhaps an hour before they would make up their minds to pass the pencil. A new board in place of the dark, weather-beaten alighting board will keep them out of their loft for hours.

When we remember that they will remain on the wing from daylight till dark, and remember their great speed, a moment's thought will show what an immense territory they can inspect in a day's flight. My own experience in training these birds goes to convince me of this theory. I have found that young birds and even old ones sent on their first fly of five miles will sometimes take hours to return home. They had no doubt during that time flown over a large area, perhaps covering one hundred miles, and so located their loft and its surroundings; and I have had the same young birds the next day fly the distance of five miles in six minutes. The fact that some other birds happened to come home quicker on the next first fly would only go to prove that on their first circle they happened to circle toward their home. Many claim that birds make better time from strange points, but this has not been shown to be a fact beyond one hundred miles. Who can say but that they had been over the ground on some of their previous journeys when they were circling around on their journey home? I have had birds to take a day to home from Halsey to Portland, a distance of eighty-one miles, and the same bird to come home from that point next day in two hours and fourteen minutes. On the first occasion the liberator reported that the birds had started south on being released, and afterward returned to the starting point and then started north toward Portland.

W. W. BRETHERTON.

Cincinnati District.

100-miles.—The above district commenced the series of old-bird races on May 9th from Mitchell, Ind. Mr. F. J. Barbee, United States express agent, wired: "Birds liberated 8:07; clear; southwest wind." At home the same conditions prevailed. Forty-three birds from eight lofts competing. Following are the first returns to each loft by timing machine:

Owner	Reg. No.	In Loft	Speed
H. Myer	T4848	10:59.50	1099
Charles Ellsworth	T27901	11:13	1039
Wm. Wagher	T16863	11:13.50	1030.80
D. J. McCarty	T24603	11:11	1029.30
P. B. Williams	S. W. 22	11:36	882
T. Hilge	T24586	12:27.10	742
I. Bettman	T27925	3:30.10	

200-miles.—The second old-bird race was flown from Olney, Ill., on May 16th. Twenty-two birds from six lofts competing. Mr. John H. White, United States express agent, wired: "Birds liberated at 6:30; southwest wind; clear." At home it was cloudy with variable winds. Following are first returns to each loft by timing machine:

Owner	Reg. No.	In Loft	Speed
I. Bettman	T27925	12:27.40	963
Chas. Ellsworth	S. W. 15	12:29.10	960
Wm. Wagher	T16872	1:36.50	807
D. J. McCarty	T24603	1:56.50	764
H. Meyer	T4848	2:31.50	709

300-miles.—The third old-bird race was flown from East St. Louis, Ill., on May 23d. Twenty-three birds from five lofts competing. Mr. G. H. Markert, United States express agent, wired: "Birds liberated 7:23; northwest winds; clear." At home it was cloudy with variable winds. Following are the first returns to each loft by timing machine:

Owner	Reg. No.	In Loft	Speed
Chas. Ellsworth	T27959	2:57.34	1186.68
I. Bettman	T27925	3:02.10	1173.35
P. B. Williams	T2	2:56.52	1169.95
Wm. Wagher	T16872	3:11.05	1151.11
D. J. McCarty	T24603	7:14	

400-miles.—The fourth old-bird race was flown from Jefferson City, Mo,. on May 30th. Seven birds from four lofts competing. Mr. A. P. Grimshaw, Pacific express agent, wired: "Birds liberated 5:52; clear: southwest winds." At home the same conditions prevailed. Following are first returns to each loft by timing machine:

Owner	Reg. No.	In Loft	Speed
P. B. Williams	T27888	3:46.42	1210.74
Chas. Ellsworth	T6533	3:57.42	1203.25
I. Bettman	T27925	3:57.40	1202.86
D. J. McCarty	T24603	4:08.23	1176.89

500-miles.—The fifth old-bird race was flown from Warrensburg, Mo., on June 12th. Seven birds from four lofts competing. Mr. J. B. Askey, Pacific express agent, wired: "Birds liberated 5:04; light southwest winds; clear. At home the same conditions prevailed, and some of us were half expecting a return in the day and this hope was not far from being materialized, as the first return will show. Following are first returns to each loft by machine:

Owner	Reg. No.	In Loft 2d Day	Speed
P. B. Williams	S. W. 2	4:50	993.66
Chas. Ellsworth	T6533	7:34	844.83
D. J. McCarty	T24603	1:51.20	617.93

600-miles.—The members of this district, with the exception of Mr. Chas. Ellsworth, decided not to ship any birds to this station, and he, having the best average up to and including the 500-mile, flew one bird, so as to comply with Article X, Sec. 2 (District General Average). The bird was countermarked and shipped by race committee to Mr. M. F. Hankla, care of Mr. F. A. Lewis, Pacific express agent, Topeka, Kans., who wired: "Bird liberated June 19th, 5:30; wind southwest; fair and clear." Same conditions at home. Second day was very stormy, but the bird was timed in at 6:43 P. M., second day. Thus closed a most enjoyable and successful series.

Owner	Reg. No.	In Loft 2d Day	Speed
Chas. Ellsworth	C. E. G. 94	6:43	628.23

An Individual Fly.

Mr. E. Satterthwaite, proprietor of the Delaware Lofts, Stanton, Del., on June 16th, shipped eleven birds to Washington, D. C. (distance 194.6 miles), with the following results:

Registered No.	Time Liberated.	Time Returned.	Speed.
C6843	11:25 A. M.	2:25 P. M.	1022.49
T54369	"	"	"
T5782	"	"	"
T3043	"	"	"
E. S. 60	"	2:21 P. M.	1046
E. S. 16 (96)	"	"	"
G. B. B. 627	"	"	"
E. S. 21 (96)	"	2:25 P. M.	1022.49
E. E. 101 (96)	"	"	"

Leg Weakness.

Editor The Feather:

Kindly tell me through your columns where the trouble arises with my birds, Homers. I have 100 in all; my loft is fifteen by forty feet. My squabs when about ready to get out of nest can't walk and have no use of their legs. I feed cracked corn and wheat and give good fresh water every day. The squabs most all die when taken this way. Yours Very Truly,

East Orange, N. J. F. C. WARD.

This leg weakness is an affection that high-class pigeons are subject to, and arises no doubt from close breeding and too rapid growth of the young. I know of no positive preventive, but would suggest that something in the way of a tonic be given them. The Douglas Mixture, which is a good tonic, might be given the old birds in their drinking water, and in this way the squabs get the benefit of it. A small capsule of cod liver oil might also occasionally be given the squab. I would also suggest feeding less corn, and to give the feeders soaked bread mixed with bran occasionally.

J. C. L.

No Way to Prevent.

Editor The Feather:

Can you tell me how to stop pigeons from fighting, quarreling, and driving others from their nests? Yours Respectfully,

Watertown, Wis. EMIL SEIBEL.

There is no other way to prevent pugnacious, quarrelsome birds driving others from their nests and perches, but to keep them rearing a family, or removing them entirely from the loft. All such disturbers of the peace are better out of the loft than in. If two cocks select the same nest, the weaker of the two should be placed with his mate in another breeding space and confined there until wanted, when the turmoil and quarreling will be likely to cease.

J. C. L.

THE BUSINESS WORLD

As Viewed From the Columns of The Feather.

BROILERS FOR PROFIT.

"Broilers for Profit" is the title of Michael K. Boyer's new book. Mr. Boyer has treated his subject well, and carries the reader with intense interest through all the "ups and downs" of the business. The book is a valuable one and cannot fail to be appreciated by those who read it. Broiler raising is an industry which is now interesting many thousands, and "Broilers for Profit" is just the book for those who contemplate starting in the business. The retail price of the book is fifty cents, but if you will send us two yearly subscriptions to THE FEATHER at fifty cents each, we will make you a present of the book.

A GOOD CHANCE.

Clifford W. Beman, Port Dickinson, N. Y., the well-known breeder of Buffs, offers some good stock in his Buff Plymouth Rocks, Buff Leghorns and Golden Wyandots at very low prices for the quality of his stock. Also a very fine Golden Scotch Collie dog puppy, with which breed he is very successful. See ad. back of cover.

THE HOME OF WINNERS.

Fawn Grove, Pa., is located about forty miles north of Baltimore and ten miles west of the Susquehanna River, within one mile of the Maryland line. This is a prosperous farming locality where good crops of corn, oats, wheat, hay, and other cereals can always be found. Dr. Vallie Hawkins began breeding Barred Plymouth Rocks from the best pedigreed stock he could find and



"Lady Martha Washington," 1st at Hagerstown and 1st at Washington.

continues to breed on the same line. He can name the sire of any bird he owns for two, three, and four generations back. He expects to raise 1,000 birds the coming year and expects to keep record of the sire and dam of each one of them. This year he had five breeding yards—two special male matings, two special female matings, and for either male or female results. Each yard has a roosting place with a scratching shed attached, with a run of one-fifth acre on a thick set of rye and one-fifth acre in a woods with plenty of leaves to scratch in.

Last season was the first year Dr. Hawkins made exhibits and he would be glad to send any one who may desire the same a list of his winnings and prices of eggs, at such places as Hagerstown, West Chester, Reading, and Washington.

ABSENCE OF PLAGUE DUE TO THE ADVANCEMENT OF SCIENCE.

In 1490 B. C. a plague destroyed 624,000 Israelites in the Wilderness. A plague in London in 1625 destroyed 36,000 people. In the years 1635-36 there was a plague mortality of 14,000, and from 1663 to 1665 it is stated that there were in the same town 70,000 to 80,000 deaths.

In civilized countries at present those outbreaks of disease are practically unknown on account of the advancement of medical and chemical knowledge, but there is no doubt that the present death rates could be largely diminished, and the general health of the community greatly improved by further sanitary precautions, especially in the homes, and the judicious use of some approved non-poisonous disinfectant, such as the "Sanitas" preparations, to which we take pleasure in calling the notice of our readers, and would advise them to write to the "Sanitas" Co., 636 West 55th St., New York City, for a copy of their useful work, "How to Disinfect."

Prepare Your Birds for the Fall Shows



ON THE

H-O Co.'s Poultry Feed

Michael K. Boyer,

Formerly one of the editors of *Farm-Poultry*, and now editor of *A Few Hens*, says there is no food to equal the **H-O Co.'s Poultry Feed** for laying hens or growing chickens.

Be careful to purchase it in Sealed Sacks of 100 pounds each

INCUBATORS AS PREMIUMS.

In the July number of the well-known *Reliable Poultry Journal*, published at Quincy, Ill., the enterprising publishers offer as premiums to club raisers twelve 200-egg size incubators of the best make on the market, including the Challenge, Greenleaf, Illinois, Monitor, Prairie State, Peerless, Pineland, Palace, Reliable, Successful, Victor and Globe. Sample copy of the *R. P. J.*, containing full explanation, sent free to any address. Here is an opportunity to get the incubator of your choice without a cash outlay. Write to-day.

RIDING HIS HOBBY.

The unique sketch herewith published is one of our friend S. M. Williams' own creations. It represents him riding his hobby in true military style. Mr. Williams conducts a very fine poultry farm at Monroeville, Ind., and is proud to style it "the home of the White Plymouth Rock." One of his frankest statements is that he has bred them "ten years in line from the origin with



IN MILITARY STYLE.

results far above our most sanguine expectations." He writes us a letter in this month's department of "Practical Poultry Raising," which will no doubt be of interest to a number of our readers, on the subject of crossing. Evidently he has had splendid success with his methods, and has a well-established trade in White Rocks. Read his ad. in this number and write him if you are in need of these fowls.

EXCELLENT PREPARATIONS.

The American and Continental "Sanitas" Co. Limited, New York City, are manufacturing excellent disinfecting preparations. Their goods are invaluable to the breeders of poultry, pigeons, and pet stock, and the use of them will prevent many diseases which are so common with the stock. The use of "Sanitas" will insure healthy, sweet-smelling poultry-houses and pigeon lofts, and prove it to be the most beneficial disinfectant to be had. A number of our largest shows use "Sanitas" disinfectant with splendid results, and the public are not slow to show their appreciation of the fact. For disinfecting the poultry-house and pigeon loft "Sanitas" cannot be too strongly recommended, and the same may be said of it for the home and the thousand and one places where a first-class preparation for disinfecting is hourly needed.

TOO LATE TO CLASSIFY

BELGIAN HARES—
TAR HEEL STRAIN,
F. E. HEGE,
RALEIGH, N. C.

OUR SILVER LACED WYANDOTS won preminms and special at late Washington show. Bred from the best. No more eggs for sale this season. Now receiving orders for breeding stock, to be delivered later. Write your wants. JENNIE M. HAMBLIN, Highlawn Farm, Vienna, Fairfax Co., Va.

PURE-BRED PLYMOUTH ROCK cockerels, $1.00 each; one-year-old cocks, $2.00 each. M. E. COOKE, Sandwich, Mass.

WANTED—A first-class man to attend to chickens and incubators. Single man preferred. First-class S. C. White Leghorn pullets, cockerels, cocks and hens for sale. Have taken first prize in Washington. B. STEWART, Ashburn, Va.

FOR SALE CHEAP—A bargain—100 fancy pigeons in all colors, and good breeders; Tumblers, Fantails, Pouters, Morecaps, Swallows and Homers; the whole lot for $35.00, or in ten-pair lots for $10.50. Also a Black-breasted Grist Champion cock and two pullets from W. A. Young's yards at Brittain, N. C.; they are of the Shawl Neck family of Pit Games; will sell the three for $5.00. CHAS. R. HILL, 926 N. 25th Avenue, Omaha, Neb.

H. A. LOGUE, Hagerstown, Md.—Buff Cochins exclusively. Our breeders are now for sale after a very successful season; also a fine lot of early-hatched cockerels and pullets at lowest prices. Winners at Mt. Gretna, Pa., Carlisle, Pa., and Hagerstown, Md., 1895 and 1896. At Hagerstown, 1896, with three entries, won 1st on pullet, 2d on cock and 2d on pen.

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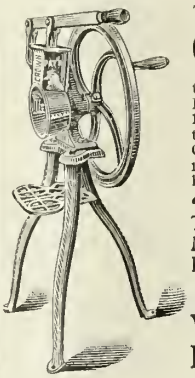
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BREEDER OF
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White and Barred Plymouth Rocks
American Dominiques and Black Javas

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BARRED PLYMOUTH ROCKS . . . . . .

E. B. Thompson's and Bradley Bros.' strains. My Barred Plymouth Rocks were highly commended at Madison Square Garden, New York City. 1897. At Washington, 1897, I won 1st on cock, 2d on hen, 4th on pullet. Eggs, 1 setting, $3.00; 2 settings, $5.00.

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Philander Williams' strain. At Washington I won 2d on breeding pen. Eggs, 1 setting, $2.00; 2 settings, $3.50.

SINGLE COMB WHITE LEGHORNS . . . . . .

Knapp Bros.' strain. Eggs, 1 setting, $2.00; 2 settings, $3.00.

Please mention The Feather.

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Will be held this year in the beautiful city of

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BARRED PLYMOUTH ROCKS—Our stock has been noted for years for its deep, rich, clear, zebra barring, so beautiful in the show room, and much sought after for the breeding yard; and we have youngsters coming on of rare beauty in great profusion. Prices to suit all. F. J. MARSHALL, Asheville, N. C.

WILSON'S FIRST PRIZE WINNING BUFF PLYMOUTH ROCKS. World's Fair, '93; Troy, N. Y., '94; New York, '95. At the recent New York Show won 1st, 2d and 4th cock; 1st, 3d and 4th hen; 1st and 3d cockerel, and 3d and 5th pullet. Eggs, $5.00 per 13; discount on two or more sittings. J. D. WILSON, Box 127 C, Worcester, N. Y.

FREDERICK E. COLEMAN, breeder and shipper of Barred Plymouth Rocks exclusively. Eggs, $1.25 per 13; $2.00 per 26. Box 22 A, Manchester Green, Hartford Co., Conn. Mention The Feather.

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BUFF PLYMOUTH ROCKS—I breed them exclusively because they are the best "all-purpose fowl" ever offered. Five yards of extra large, "up-to-date" birds, with pure undercolor, as "buff to the skin" as Cochins. No feathered legs; no white; Buff Rocks have skin, pin-feathers and legs same golden yellow. Eggs after June 1st, two settings, $3.00. After July 1st, to make room for hundreds of chicks, offer my this-season's breeders low, quality to govern. Write H. S. BURDICK, Rome, N. Y.

MARBURGER'S BARRED ROCKS—Exhibited this season at Mt. Gretna only. Won the principal prizes, including 1st cock and 1st cockerel. A few good breeders for sale yet. After April 15th I will sell 40 hens and 5 cocks at half price. A. W. MARBURGER, Lock Box 19, Denver, Pa.

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EGGS from prize S. C. B. Leghorns scoring from 91 to 94 at $1.00 per 13. Thirteen prizes on seventeen entries in '96; ten prizes on eleven entries in '97. Two eggs extra if you mention The Feather. W. B. GERMAN, Specialist, Dansville, N. Y.

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OUR SPECIALTY, White and Buff Leghorns; also Buff and W. P. Rocks, Lt. Brahmas, Blue Andalusians, G. P. Hamburgs, Red Caps. Eggs, $1.50 per 13. B. Leghorns, Black Minorcas, S. S. Hamburgs, White and Silver Wyandots, $1 per 13. Many of them winners in good company. HAMME BROS., Smith's Station, York Co., Pa.

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CEDAR HILL POULTRY FARM—Write to Cedar Hill Fruit and Poultry Farm for prices on Single Comb Brown Leghorn, Barred P. Rock and Buff Cochin fowls and eggs. Some fine surplus cockerels of first-named breeds for sale low. Eggs for incubator use, $5 per 100; good common eggs (large breeds), $2 per 100. R. S. COLE, Harmans, Md.

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LIGHT BRAHMA eggs for hatching. Bred for general utility. Large size, vigorous stock, prolific layers of beautiful large brown eggs. 75 per cent. fertility guaranteed. $1.50 per 13. No discount for quantities. See display ad. page 286. HARTNEST FARM, Framingham, Mass.

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SILVER LACED WYANDOTTES EXCLUSIVELY. None better, few equal. Number of excellent breeding birds from $2.00 upward. A few extra fine exhibition birds; prices on application. Eggs in season, from best matings, $2.00 per 15. Satisfaction assured. THEO. E. F. HOLZHAUSER, Broad River Poultry Yard, Columbia, S. C.

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GOLDEN WYANDOTS that win. At Owensboro, Dec. 29 to Jan. 2, 1st Cock, 91; 1st and 2d Hen, 92—90½; 1st and 2d Pullet, 93¼, 91¾; 1st Breeding pen; special for highest scoring Wyandots. At Louisville, Ky., (State Poultry Show), 2d and 3d Cock, 91, 88; 1st, 2d, 3d Hen, 93½, 93, 90½; 1st, 2d, 3d Pullet, 93½, 93, 92. Also breeder of Black Langshans and B. P. Rocks. Eggs, $2.50 per 13; Pen No. 1 B. Langshans and Golden Wyandots, $2.50 per 13. W. E. KEMP, New Albany, Ind.

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MAYO'S SILVER SPANGLED HAMBURGS have been long and favorably known as the best strain and most typical of all the S. S. Hamburgs in the United States, won at the late New York show, Washington, D. C., Boston, Scranton and everywhere shown. Eggs, $2.00 per 15. Stock for sale at all times. Stamp for circular. JAMES MAYO, Pittston, Pa.

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SILVER SEBRIGHT BANTAMS—For sale, exhibition birds and breeders in pairs or single. Finer this year than ever. Bred from winners at World's Fair, New York and other leading shows. Write for prices and say what you want. Mention The Feather. A. C. TREICHLER, M. D., Elizabethtown, Pa.

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GOLDEN and Silver Sebright, Black Rose Comb, Silky, White Crested White Polish, White, Black and Black Tailed Japs, Buffs, Black and White Cochin Bantams; Fantails, White, Colored, Saddles, Tails and Splashes. Write for wants. My prices are low. Stock first class. IRVIN S. MILLER, 397 Chew St., Allentown, Pa.

WHITE COCHIN BANTAMS, Black Cochin Bantams, Buff Cochin Bantams—See my record at New York and Boston. No Buffs for sale until September. Only a few Blacks and Whites left. No eggs. DR. WM. Y. FOX, Taunton, Mass.

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ARCHANGELS—I breed prize-winning Archangels exclusively. Winners at nearly all the leading shows in 1895 and 1896. Two 3ds at Boston Exclusive, 24 birds competing; 1st and 3d at Louisville (Ky.) Exclusive, in the young bird class. Birds for sale at $2.50 to $25.00 each. J. H BURLEY, Shillington, Pa., Secretary of the American Archangel Club.

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BOLINE LOFTS—Theo. Warner, 324 West Baltimore Street, Baltimore, Md., breeder and importer of Blondinettes and Rosewing Tumblers. About seventy of above varieties for sale, all from imported stock.

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WHITE SCOTCH FANTAILS—The Holbrook Lofts can supply these popular and beautiful birds for breeding or exhibition that are right in quality and price. E. A. HOLBROOK, Winchester, Mass.

1897—LONG-MUFFED TUMBLERS in White, Black, Red, Yellow, Blue and Silver, bred from noted strains, and sold for want of room only. None better. Good chance to buy prize winners. Also a friend's two odd Black Russian Trumpeter cocks (Rommel's Strain). Stamp for reply. A. BESCHE, 1241 William Street, Baltimore, Md.

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HOMING PIGEONS—Owing to crowded lofts, must dispose of ten pair record breeders and surplus '97 hatched youngsters from parents with records of 100 to 500 miles very reasonable. Stamp for circular. Satisfaction and pedigree given. THE SOUTHERN LOFTS, 716 21st St. N. W., Washington, D. C.

THE KESWICK LOFTS, D. R. Gaines, proprietor, Central Avenue, Rockland, Mass., breeder and flyer of the speediest and most reliable Homing Pigeons. A few breeders and youngsters for sale; reasonable, considering quality. Satisfaction guaranteed. Pedigrees furnished.

MISCELLANEOUS

HOMER CITY Poultry Farm breeds choice strains of B. Langshans, B. P. Rocks, S. Laced and White Wyandots, S. C. Brown, R. C. Brown, S. C. White and Buff Leghorns, Black and White Minorcas, S. S. Hamburgs and Blue Andalusians. Some choice cocks and cockerels for sale. Eggs for hatching at $1.50 for 15; two or more sittings, $1.00 each. Orders booked now for Spring hatching. C. W. TUCK, Homer City, Pa.

PRIZE WINNERS—25 prizes won on my birds at Amesbury, Mass., and Manchester, N. H. Barred P. Rocks scored 93½; Black Langshans, 95; Black Minorcas, 96½. If you expect to be in next season, purchase eggs and stock from me. Fine breeding stock for sale. Eggs, $2.00 per sitting. Stamp for eight-page circular. W. T. GREENE, Hopkinton, N. H.

COUNTY LINE Poultry Yards breed the choicest strains of Light Brahmas, Barred and White Plymouth Rocks, S. C. Brown Leghorns, Mammoth Bronze Turkeys, Toulouse Geese and Rouen Ducks. Stock for sale. Eggs in season. Send for price list, with prizes won. A. G BARLOW, Millers, N. Y.

RIVERSIDE POULTRY YARDS Hoffmans, N. Y.—Breeders of Light Brahmas, Barred Rocks, Buff Cochins, Partridge Cochins, White Wyandots, Single and Rose Comb Brown and White Leghorns. My yards contain nothing but high-scoring birds and guarantee satisfaction every way. Eggs, $1.00 per sitting. Send for circulars. E. W. KELDERHOUSE, Prop.

J. R. PIPER, JR., 10 Market St., Morristown, N. J.—Prince of America's Light Brahmas and Silver Laced Wyandots. Piper's Celebrated Games of many varieties, also other kinds of stock for sale. Eggs, $2.00 and $3.00 per setting. Write.

REDUCED PRICES—Will sell eggs the balance of the season from Buff P. Rocks and Buff Leghorns at $1.00 per 13; from White P. Rocks and Brown Leghorns, 75 cents per 13. Stock first-class and some for sale. JOHN H. HELLERMAN, Box 133, Doylestown, Pa.

HOOPER'S LICE FORMULA. Kills insect life with lightning dispatch. Rough on Lice, Mites, Bedbugs, Ants, Roaches, Fleas, etc., are exterminated with magical effect. Cheap, harmless, easily applied. Complete directions sent for 10 cents (stamps). F. L. HOOPER, Box 14, Station D., Baltimore, Md.

BLACK WALNUT FARM—B. P. Rocks, S. C. Brown Leghorns, Light Brahmas; vigorous stock, early and prolific layers. Eggs, $1.00 per sitting. Pekin Duck eggs, $1.00 per sitting. Stock and eggs for sale. W. P. COTTON, Manager, Churchland, Va. Mention The Feather.

KINZER'S POULTRY FARM, Geo. W. Kinzer, proprietor, New Holland, Pa., breeds prize-winning Buff, Barred and White P. Rocks, Indian Games, Buff, White and Brown Leghorns. Catalogue free. Stock and eggs in season.

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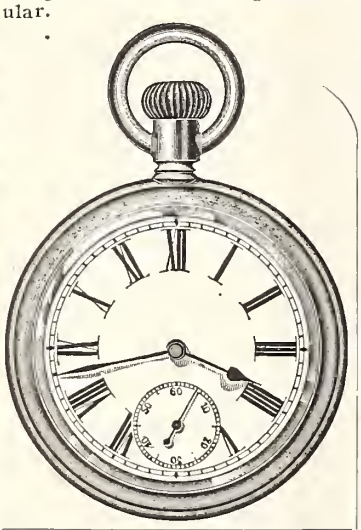
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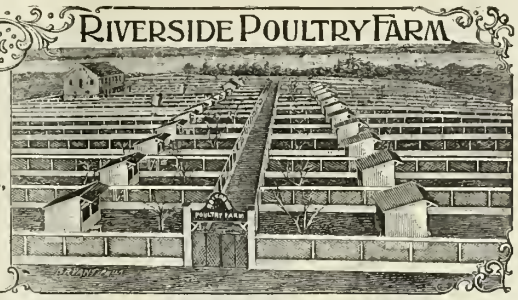
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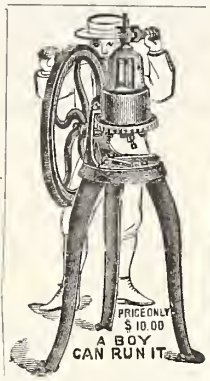
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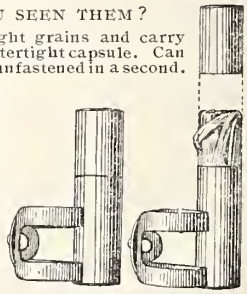
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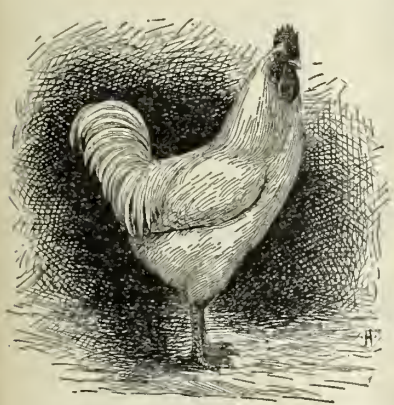
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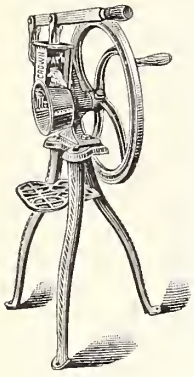


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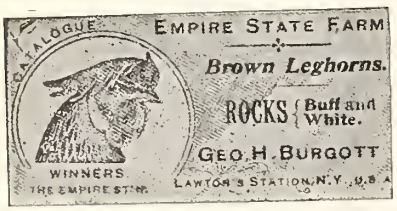
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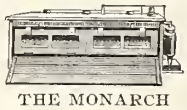
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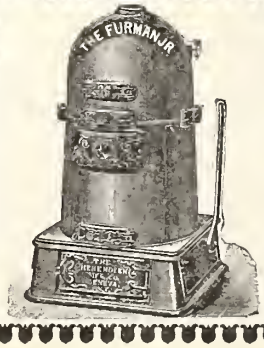
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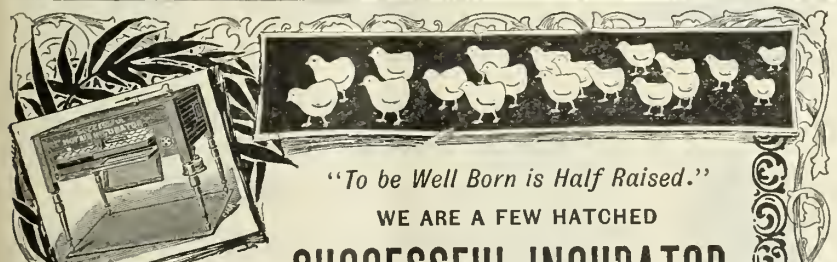
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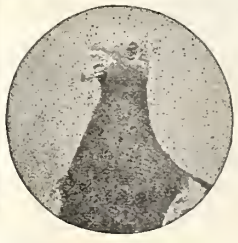
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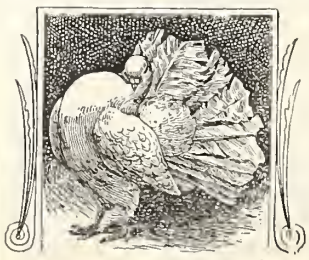




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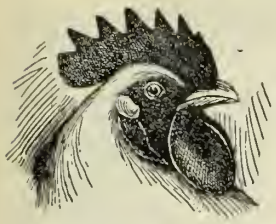
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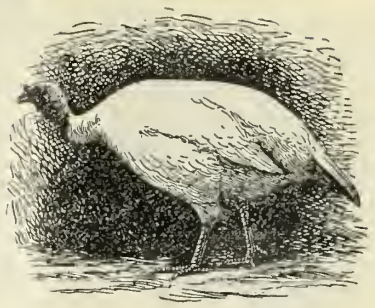
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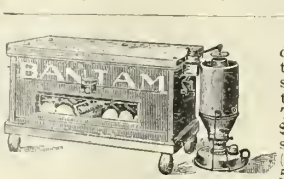
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If at first you don't succeed, try a Buckeye, sold on 30 days' trial or for cash. The Bantam, $5.00; 50-egg size, self regulating, (48 chicks from 50 eggs). Invincible Hatcher, $10.00; 100-egg size, self regulating, (98 per cent. hatches). Send 4 cents for No. 108 catalogue.

BUCKEYE INCUBATOR CO., Springfield, O.

Write F. W. LANDFEAR & SON

BEDFORD, O.

For their 1897 Catalogue of fancy poultry and list of stock for sale. Their business pays their postage.

Do not Send Stamp.

THE LIFE SAVING STATION!



If you want a descriptive circular, your address on a postal card will bring one.

1049 E. Market St. **F. H. WEEKS, Akron, O.**

WHITE PLYMOUTH ROCKS WHITE WYANDOTTES



These grand and noble fowls are fast coming to the front Their beauty and utility are acknowledged by all. Eggs from beauties, $1.50 per 13. Circular free.

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S. C. WHITE LEGHORNS...

Three one-cent STAMPS for cholera recipe.

Mention The Feather.

A. W. GLUESENKAMP & SON, Batesville, Ind.



"LADY MARTHA WASHINGTON."
1st at Hagerstown, 1st at Washington.

BARRED PLYMOUTH ROCKS....

At Rockville, Md.—On six entries I won 1st cock, 1st hen, 1st cockerel, 1st and 2d pullets, and special Baltimore Sun for best exhibit.

At Bel Air, Md.—1st and 2d pair fowls, 1st and 2d pair chicks, and special Baltimore Sun for best pen.

At Hagerstown, Md.—1st hen, 2d and 5th cocks and 4th cockerel.

At West Chester, Pa.—2d hen, 2d cockerel, 3d pen and $10.00 special.

At Reading, Pa.—1st cockerel, 2d hen, 1st and 5th pens.

At Washington, D. C.—1st hen, 3d pullet and 5th cockerel, with five birds.

Eggs for sale from correctly-mated birds after February 1st. I have five pens this season. Eggs from Nos. 1, 2 and 3, $3.00 per 13; from Nos. 4 and 5, $2.00 per 13.

Vallie Hawkins, M. D.,
Fawn Grove, Pa.

Rhode Island Reds
Business Birds = = =

They are handsome, too; yellow legs and skin; great layers of dark eggs. Eggs, $2.00 per setting of 13; $5.00 per 40. A yearly subscription to The Feather free with an order.

R. V. Browning, Box 127,
NATICK, R. I.

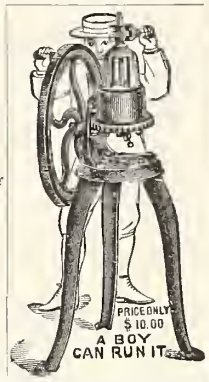


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GREEN BONE
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We are Winners of
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We send them C. O. D. or ON TRIAL.

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It will be well for poultrymen to remember that **L. L. K.** means

Lee's Lice Killer.

Certain unscrupulous parties who find it difficult to secure trade on the merit of their goods have adopted names bearing the initials L. L. K. and advertise that they have L. L. K. for sale, attempting to take advantage and secure trade on the established reputation of LEE'S LICE KILLER under the abbreviation used by most poultry writers, and also by ourselves, of L. L. K. There is only one L. L. K. and it is manufactured by us. We are represented in the East by our General Agent, D. A. Mount, Jamesburg, N. J., and by 1,500 local agents in every State in the Union. We manufacture Insecticides and Disinfectants, a full line, and will be pleased to send circulars and printed matter on request, also the name of nearest agent. Lee's Lice Killer, ½ gal., 50c.; 1 gal., 75c.; 5 gals., $3.00.

Geo. H. Lee Co., Exeter, Neb., or 178 Michigan St., Chicago, Ill.



Here is Your Chance!

Fifty Brown and Buff Leghorn hens from our breeding yards of 1897. A rare opportunity to get first-class breeders at $2.00 each in lots of five or more. First come, first served.

BRACE & WALLING, Victor, N. Y., U.S.A.

Uplands Poultry Farm

HAS FOR SALE

20	S. C. BROWN LEGHORN HENS			AT	$1.00	EACH.
10	BARRED PLYMOUTH ROCK	"	"		$1.50	"
10	"	"	"	"	$1.00	"
2	"	"	"	"	$2.00	"

Young stock for sale from LIGHT BRAHMAS, BARRED PLYMOUTH ROCKS, WHITE WYANDOTS, PARTRIDGE COCHINS, SILVER GRAY DORKINGS, S. C. BROWN LEGHORNS. All correspondence cheerfully answered. Address

M. E. PHELPS, Manager, Carroll P. O., Baltimore, Md.

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ANIMAL Meal, Meat Scraps, Sun-flower Seed, Rust's Egg Producer, Sheridan's Condition Powders, Ground Charcoal, etc. Ground Oyster Shells at 75c. per 100 pounds; Ground Bone at $2.50 per 100 pounds; Mica Crystal and White Lime Grit at $1.00 per 100 pounds. Green Bone Mills and Prairie State Incubators. Also, Garden, Flower and Field Seeds. Illustrated Catalogue mailed free.

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BLACK MINORCAS,
BARRED PLYMOUTH ROCKS,
CORNISH INDIAN GAMES,
S. C. BROWN LEGHORNS.

Have a limited supply of No. 1 stock for sale. Cockerels from $1.50 to $3.00 each. Pullets from $1.00 to $2.00 each. All from good blood. SPECIAL—Can furnish a few White Wyandot cockerels from Vaughan's and Hunter's. Also, S. C. White Leghorns and White Wonders from Buffinton's. Only a very few for sale and at a cheap rate. Satisfaction guaranteed. Correspondence solicited. Address

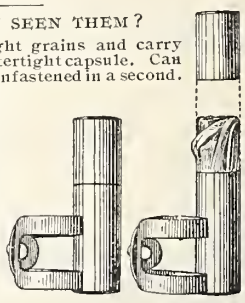
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HAVE YOU SEEN THEM?

Weigh only eight grains and carry a message in watertight capsule. Can be fastened and unfastened in a second. Used by United States Government. Price, 15 cents each, or 2 for 25 cents. Special rates to clubs. For sale by



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FOR POULTRY...

Bone Meal	per 100lb bag,	$2.50
Granulated Bone	" 100lb "	2.00
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Calcite	" 200lb "	1.50
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Send for our new price-list and samples. All orders shipped promptly by freight on receipt of price. Special low prices on large quantities and to dealers. **YORK CHEMICAL WORKS, York, Pa.**

Orchard Park Poultry Farm.

Bicknell & Whiting offer the following: 2 Indian Game cockerels, $8.00 each; 4 pullets, $5.00 each; way up in weight and scoring points. 6 Black Java cockerels, 9½ pounds each, high scorers, $5.00 to $8.00 each; pullets, $5.00 each. Minorca cockerels, $8.00 each and upward, full weight; pullets, cheap to close out all but breeding stock. 2 pairs Black Cochin Bants, $15.00 each, first class. 1 pair White Cochins, good ones, $15.00. Eggs from our best matings of the above, also Andalusians and Barred P. Rocks, Cochins and Cochin Bants, $5.00 a setting, 26 for $8.00; from all others, $3.00 for 13, $5.00 for 26.

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Poultry Farm at Darien, N. Y.

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C. S. WHITING, Darien, N. Y.

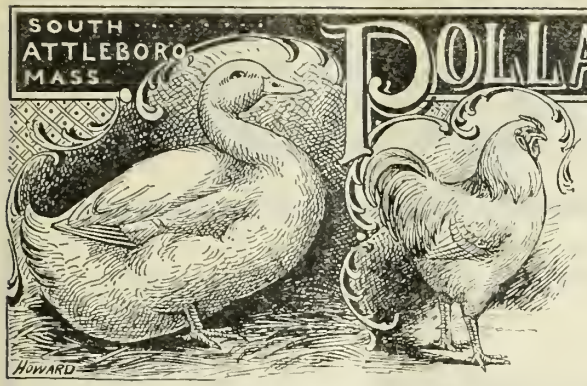
...WE Believe every advertiser in these pages is reliable, and we want you when writing, to be sure and mention THE FEATHER. This will be appreciated by us.

James M. Davis, Ligonier, Pa.

Eggs from famous strains at moderate prices.

LIGHT BRAHMAS (Rollins Bros.), S. C. W. BUFF and BROWN LEGHORNS (Knapp, Wyckoff and Arnold). BARRED P. ROCKS, BLACK MINORCAS and PEKIN DUCKS all equally good strains. Eggs, $1.00 for 13: $2.00 for 30.

COCKERELS—Some fine ones still on hand.



POLLARD'S POULTRY FARM.

POLLARD'S PEKIN DUCKS ARE MONEY MAKERS.

IF YOU are in the business for money, you need our stock. We are selling **BREEDERS** that will breed. Get our prices and buy early birds. Don't wait and buy culls. We needn't rehearse their merits. Every one knows them.

Pollard's Poultry Farm, SOUTH ATTLEBORO, MASS. Formerly Pawtucket, R.I.

OUR VICTORIES CAUSE OUR

BLUE BARRED ROCKS ..

TO CROW LOUD AND LONG.

See our show records at West Chester, Pa., 1895 and '96; at Hagerstown, 1894, '95 and '96, and we believe you will agree with us. Write for wants and enclose two-cent stamp for reply to

EDWARD S. HICKMAN,
Cheyney, Delaware County, Pa.

C. N. RANDLES ROSCOE, O.

EGGS, EGGS,

from S. C. B. Leghorns. In my breeding pen will be found pullets scoring 90, 90, 90, 90½, 91, 91, 92, 92½; cock, score 91. Eggs, $1.50 per 15. Buff P. Rocks, $2.00 per 13. These birds were scored by Bridge in February. With every setting of eggs bought of me I will send a year's subscription to The Feather free. C. N. RANDLES, Roscoe, O.

When Writing our advertisers always mention The Feather.

BUFF WYANDOTS,



Buff.... Cochin Bantams AND HOMING.... PIGEONS.

No eggs for sale.

RICHARD A. HOMEYER,
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ECONOMICAL KNOWING THINKING **PEOPLE**

who never spend a dollar without at least getting its equivalent are the kind that buy of me.

Bronze Turkeys, Hong Kong Geese, Pekin Ducks, Leghorns, and Beagle Hounds a specialty.

Ducks, $3.50 a trio, that can't be duplicated elsewhere at less than $5.00. Beagle Hounds, $3.00 to $9.00 a pair, that can't be beat at any price. They take to the trail like dux to the water. Correspondence solicited, and references exchanged when desired.

ISH C. MYERS, Leesburg, Va.



BUY NO INCUBATOR

Until you have given the **PALACE** A 30 day trial, . . FREE OF CHARGE.

Incubators $9 to $40. Brooders $4 to $16, 60 page Catalogue for stamp.

Expert Leghorn Breeders. **THE LEGHORN HOME,** Merriam Park, Minn.

BUFF PLYMOUTH ROCKS. • • BUFF LEGHORNS.

Our Buffs are Good Buffs.

Stock for sale.

BROOKDALE FARM,

L. S. Bache, Prop. Lock Box 62, Bound Brook, N. J.

PINE HILL POULTRY YARDS, BREEDER OF PRIZE-WINNING

Single Combed White and Brown Leghorns,
Barred Plymouth Rocks and Silver Spangled Hamburgs.

Some birds scoring as high as 97 points.

Eggs for hatching, $2.00 per setting of 15; 3 settings for $5.00. Stock for sale at all times.

D. C. SHEEHAN, 14 B Street, West Lynn, Mass.

H. A. MUNSON, WASHINGTON, D. C.

Breeder of Bearded Golden Polish, Buff Laced Polish, White Crested Black Polish, Bearded Silver Polish, White Crested White Polish, White Wyandots, Black Minorcas, White Leghorns, Golden and Silver Sebright Bantams.

From forty-one birds entered at the Washington Show, 1897, forty birds were prize winners. These birds are all now in our breeding yards. No finer stock in the United States. Eggs, $3.00 per setting 13 eggs. Stock for sale November 1st. Address

H. A. MUNSON, 1524 T St., N. W., Washington, D. C.

Arnold's Buff Leghorns

Winners of hundreds of prizes in England, Germany, Africa, New Zealand, Canada and the United States.

EGGS AT LOW RATES for the balance of the season. This variety can be raised as late as September, as they grow up and mature very quickly.

A LOT OF YEARLING HENS FOR SALE—We will sell a lot of yearling hens in lots to suit **at a surprisingly low figure,** if taken at once. Now is your chance to buy good breeders at one-fourth the price you will have to pay for them in the Fall and Spring.

Aug. D. Arnold. DILLSBURG, PA.

SHEPHERD'S BUFF LEGHORNS

Still hold the lead, defeating as they did last year all other competitors at New York (America's best show), winning **Buff Leghorn Club's cup for best exhibit,** also **4th cock** in a class of 7 birds, **1st, 2d and 3d hens** in a class of 18, **1st and 3d cockerels** in a class of 23, **3d and 5th pullets** in a class of 19, **2d and 5th pens** in a class of 7. **BEST OF ALL,** 2 specials out of 3 given for best color hen and cockerel, also 6 gold specials. 300 birds for sale. No eggs for hatching.

E. P. Shepherd, Box 9, Croton Falls, New York.

Secretary-Treasurer Buff Leghorn Club.

We Can't Stop These Reports

NEWARK, N. J., July 10, 1897.

THE H-O COMPANY.

Gentlemen: — My poultry year ended June 30, and I take pleasure in handing you the following report:

July 1, '95, to June 30, '96, I received 2,691 eggs; had the first bag of your feed thirty-six days before; had about an average of thirty-three fowls per year. Now note the difference: July 1, '96, to July 1, '97, received 3,876 eggs from the same average number of fowls; with the addition of the **H-O Company's Poultry Feed** their rations were the same as the year before. This was on a city lot, where their run was only 30x30. I attribute this remarkable increase entirely to **H-O Poultry Feed.**

It may interest you to know that over fifty per cent. of the increase was during December, January, February and March, when eggs were high. Yours truly, HOWARD B. HILLS.

CHARLES NIXON
BREEDER OF
Exhibition White Wyandottes
WASHINGTON, N. J.,
June 22, 1897.

Gentlemen:

One hundred pounds of the **H-O Co.'s Poultry Feed** will go as far as two hundred pounds of any other.

CHARLES NIXON.

CHESTNUT HILL, PHILA.,
June 23, 1897.

THE H-O CO.

I have grown fancy stock for years and find the **H-O Co.'s Poultry Feed** the best I have ever used. A visit to my yards will speak more for the **H-O Co.'s Poultry Feed** than I can.

JAMES CHESTON, Jr.

WRITE FOR CIRCULARS AND PRICES

THE H-O COMPANY

71-73 Park Place, New York City

The Feather

A National Journal Devoted to Poultry, Pigeons, Birds, Etc.

VOL. II. NO. 11. WASHINGTON, D. C., AUGUST, 1897. FIVE CENTS.

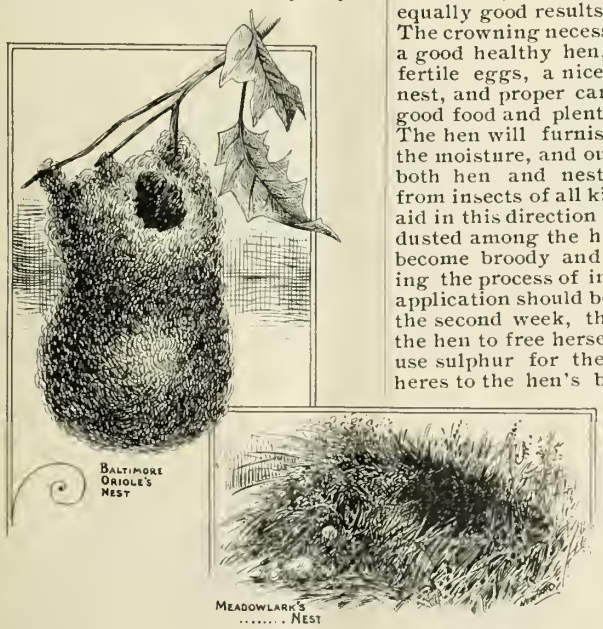
BEGINNING WITH POULTRY.

The Sitting Hen—The Young Chick—Diarrhea—Proper Care and Housing.

BY T. F. MCGREW.

The beginning of poultry life starts with the sitting of the hen. On this subject many pages have been written setting forth the notions of hundreds of writers as to the best manner of preparing the nests, where to prepare them, and just how best to follow nature as near as possible so as to gain the best results.

Some tell us that the nest should be made upon the ground so that the proper amount of moisture should be obtained; others tell us to fill a box partly full of fresh earth, or with a piece of sod cut three or four inches thick, and upon this place some soft hay or straw. All these points are good in their way and may be of benefit, but to get at the simple facts we must consider our surroundings and be guided by these. The point most to be desired is to be able to produce a live, healthy chick from each egg placed under the hen. This can only be accomplished when all the eggs placed for incubation are fertile, and the only way to determine this is to allow them to pass under the heat of a broody hen or an incubator.



As our intention is to consider at this time the natural mode of producing animal life within the egg, we will consider the mother hen as the prime factor in the case. It is true that the hen often hides her nest away under a shed or barn and there under the influence, as they say, of the most natural conditions, she brings forth a large brood of chicks. We have seen the same results when the nest is hid in the hay mow, or in the top of a haystack. The Oriole swings her nest from a hanging limb in the very top of the highest tree with equally good results as those obtained by the Meadow Lark or the quail who build their nests upon the ground. We have heard of the hen that was set in a box in the bed of a mover's wagon in a New England town bringing out a full brood three weeks later, several hundred miles away from the starting point, and she and her brood doing nicely in their new Western home. All these facts have a tendency to shake our faith in many of the themes advanced.

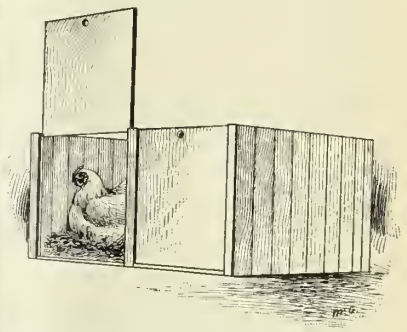
It is our opinion, built upon long experience, that a good, quiet, broody hen may be set upon a nest full of eggs in almost any quiet place and she will produce as many strong healthy chicks as she has fertile eggs, providing she is in good health and properly fed and watered and kept clean and free from insect life. We have seen them in the chimney corner of the Summer kitchen, in the cellar, and in the hay mow, and equally good results from each location. The crowning necessities for success are a good healthy hen, some good fresh fertile eggs, a nice quiet place for the nest, and proper care for the hen as to good food and plenty of fresh water. The hen will furnish the heat, the air, the moisture, and our part is to see that both hen and nest are perfectly free from insects of all kinds. The very best aid in this direction is insect powder well dusted among the hens at the time they become broody and once or twice during the process of incubation. The last application should be made at the end of the second week, thus giving time for the hen to free herself of same. Never use sulphur for the purpose, for it adheres to the hen's body and injures the eyes of the young chick when coming in contact with her. Neither do we advise the use of tobacco stems for a nest, for the reason that we do not think it can be very inviting for the hen.

As the fertile egg must be provided prior to the setting of the hen, we must consider that problem after our brood is matured.

THE YOUNG CHICK.

The moment the chick is hatched it must fight for its very existence, for hardly are the feathers dry upon its body when the blood-sucking lice begin their work upon the top of their heads and under the throat. As soon as removed from the nest they should be treated for this pest if they are present. Fresh lard rubbed well into the feathers upon the head and under the throat will soon destroy the lice. Some advocate mixing sulphur with the lard. This will not kill the lice any quicker and the sulphur inflames their eyes, and thus stops their growth. Keep a close watch for a return of lice upon the head and body of the chick as they advance, thus avoiding the trouble rather than curing it.

The most important consideration for their welfare is proper food and drink. The very best food for the newly-hatched chick is hard-boiled eggs broken very fine, shell and all, mixed with bread crumbs. The finely-broken shell furnishes a grit to aid digestion, the eggs and bread the most perfect ration. Next to this, bread alone, either broken very fine or softened with warm milk and squeezed very dry. Never feed any fowl, either old or young, upon soft food containing any amount of moisture. Always press from it all the moisture possible before feeding it to the chick. The most destructive food for young chicks is soft, sloppy food, or too much water and sand. This will cause diarrhea, that kills more young chicks the first three weeks of their existence than all other ailments combined. This is caused in many ways; first by improper feeding, then by wet and cold, and if infected with lice, an impoverished condition is produced that often brings about the same result. Many think cholera is present among their flock that are simply run down by poor or improper feeding and the infection of lice.

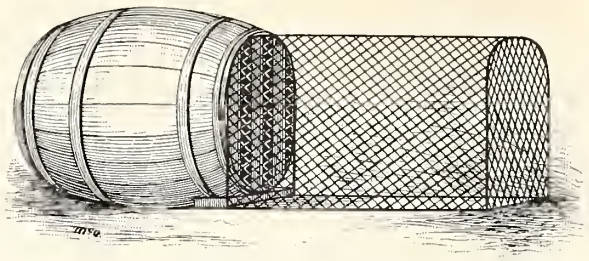


Nest-box No. 1.—For sitting hens. Cover top with wire cloth. Slide lid or door in front. A number of these can be used in a small room or cellar and the hens allowed to come off for food and water each day. With care and attention this is very satisfactory.

DIARRHEA.

More young chickens and turkeys are lost each year from diarrhea than all

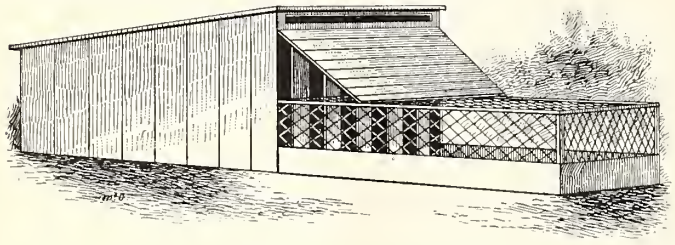
other diseases combined. This ailment has many causes, some brought about by the weather, others by the fault of those in charge. Poultry of all kinds, if allowed their liberty, will hunt for grain, seed, grass, and insect life. If they have a running stream at their command and wide fields to roam over and no confinement in close quarters, we doubt very much whether they would touch milk in any form if placed where they could find it. Grain, seed, and insect life are their natural food and this should be considered when making up their daily ration. Eggs, bread crumbs, corn bread, and oat meal fill the requisites best. Broken egg shells or very fine broken oyster shells or bone will furnish the grit. See that they have plenty of fresh water within their reach and the proper food is provided. Even with all this provided, dirt, cold or damp quarters, may cause cold and produce the diarrhea. A long-continued thirst when broken causes the chick to drink too much water, and this will also produce the disease. The causes of this destroyer are overfeeding, improper food, lack of grit, unclean water, lack of green food, an unnatural thirst causing fever and ending in an over amount of drink to quench the thirst, wet or damp quarters, dirt and lice. Prevent all these and the percentage of this trouble will be quite small.



Coop No. 2.—A cheap barrel coop. Can be used first for sitting hen, then thoroughly cleaned for the hen and chicks. Cover top and sides of barrel with tar paper. The open run will confine the hen when sitting, and protect the young chicks from cats.

PROPER CARE.

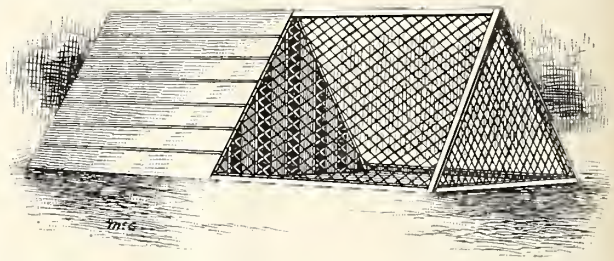
The ideal manner of caring for young chicks is to house them in a warm, dry coop, the floor of which should be at least two inches from the ground. Cover this with hay seed and chaff from the barn floor. It makes a nice scratching place for the little chicks. Feed them in a small dish, and whether they have the whole of the egg to eat or not, mix some very finely-broken shell with their feed, as it furnishes an ideal grit for the little chick. Give them plenty of good, fresh water to drink; feed them bread crumbs, finely-broken corn bread, dry oat meal, and finely-broken corn as they grow older. Keep them dry, clean, and free from lice and no trouble from disease of any kind will come to them.



Coop No. 4.—Built of rough lumber, 3x4 feet; movable open run; drop lid to close up wet or cold nights; ventilator above drop; coop should be made with board floor. Make run as large as possible to suit convenience and space.

PROPER HOUSING OF CHICKS.

The most important adjunct to the successful rearing of the chick is the proper coops or houses for same. The hen must be cooped in dry, warm, airy quarters, and the coop should be located where both sunshine and shade will be provided. The ideal location for the coop is under a tree where the sun can shine on it during the morning and the after part of the day. Here a cartload of good sharp sand or gravel should be dumped, and the coop placed upon it so the chicks will always have a nice, dry place in wet weather to run upon. The construction of the coop can be as simple as No. 2 or as elaborate as Nos. 5 or 6. For bantams we should prefer No. 5, having a dry board run for the chicks; they can be cooped for a week or ten days and only allowed to run on the ground for a few hours each day. This is much the best for the successful rearing of bantams. Each illustration has its own description beneath it, so it is quite unnecessary to say more as to them.

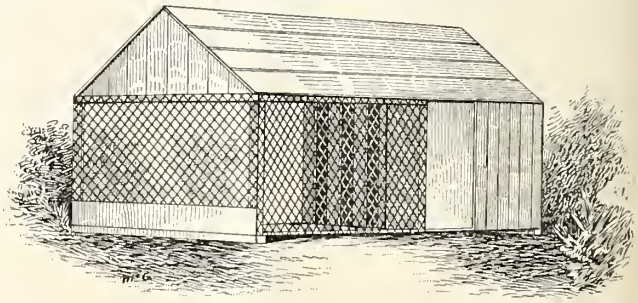


Coop No. 3.—Good for both sitting hen and young chicks. A little more expensive than No. 2.

After weaning time when the young chicks are fairly well grown they should be colonized into lots of about 100, in a shady orchard or field, and provided with a coop like No. 7. Each colony should have its coop, and they should be located quite a distance from each other, so they can live and be fed quite apart.

August.

August is the last of the Summer months, and new interest is being awakened in the poultry yard. The long hot season has been a trying one to the fowls, and now that the season is nearing its end every care should be taken to complete the success of the work. The loose feathers scattered around the yard tell us that the molting time is at its height. Much care is needed to bring them safely through this trying period. Feed the birds liberally on lean meat, ground bones, oats, and wheat. Give for the morning feed a mash of bran, with a little linseed meal in it. Plenty of green stuffs must also be fed to fowls in confinement. Give tincture of iron in the drinking water, and keep it fresh and cool. Market chicks not intended for keeping; but keep the best.



Coop No. 5.—For bantams, 24x36 inches; for large fowls, 24x40; covered run for chicks; separate apartment for hen; drop door in front for chicks to go in and out; apartment for bantam hen, 12x24; for larger hen, 16x24.

Committee on Revision of the Standard.

Editor The Feather:

The committee appointed by the American Poultry Association at its annual meeting held in New York, January, 1897, to revise the present Standard of Perfection, will meet at Fisher's Island, N. Y., on Tuesday, August 31, 1897, at 10 o'clock A. M.

It is very important that every member should be present. Those who find it impossible will please notify the chairman without delay.

Mr. J. F. Crangle, Fisher's Island, N. Y., will look after the comfort of the committee during the meeting, to whom all correspondence in regard to hotel, railroad routes, etc., etc., should be addressed. Also please advise Mr. Crangle of the expected time of arrival.

Members of the committee should arrange to arrive at Fisher's Island by Monday evening, as the meeting will be called to order promptly at the hour named.

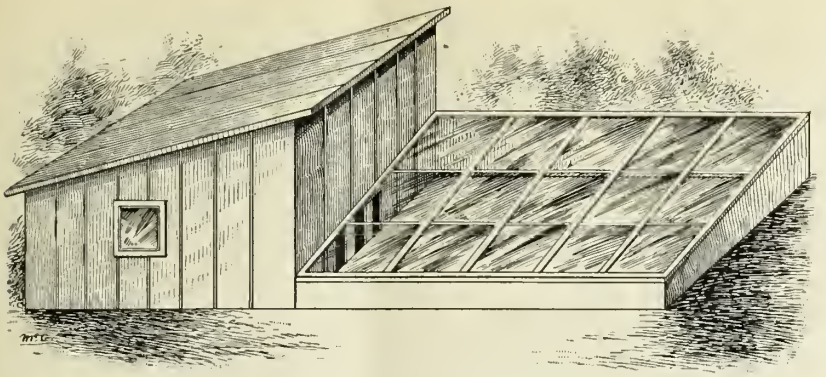
Traveling expenses, hotel accommodations, etc., will be paid out of the appropriation voted by the American Poultry Association, but members are requested to keep their expenses as low as is practicable. Fisher's Island is reached by steamboat from New London, Conn. Railroad tickets should be purchased to New London, Conn.

ARTHUR R. SHARP, Chairman.
Taunton, Mass.

To All Breeders of Water Fowl:

It will doubtless be of interest to the readers of THE FEATHER engaged in the breeding of water fowl to know that the committee for the revision of the American Standard, etc., will meet at Fisher's Island, N. Y., August 31st. Mr. J. F. Crangle has been appointed by the Water Fowl Club of America to present all questions regarding water fowl, that they may be properly represented in the new Standard. It is important that all who take exception to the present Standard for Water Fowl mail their views to J. F. Crangle, Fisher's Island, N. Y., before August 28th.

J. C. HARVEY, Sec'y.
Brookdale, N. J.



Coop No. 6.—Grand for Winter and early Spring. Should be built of inch boards and stripped. Coop 5x6 feet, run about same size and covered with glass to keep out wet and snow. The coop should have light and ventilation enough, so hen and chicks can both stay in coop in very bad weather.

To All Breeders of Water Fowl and Turkeys:

As a member of the Revision Committee, appointed by the American Poultry Association, I would be pleased to hear from all breeders of the above varieties of any changes, which, in their opinion, ought to be made. As this committee is to meet within a few weeks, I ask all interested to write me at once of any changes which they would like to have made. Respectfully,

J. F. CRANGLE.

Fisher's Island, N. Y.

To All Breeders of Cochins and Cochin Bantams:

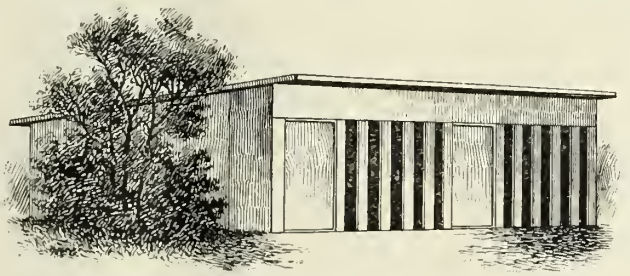
The new Standard for cochins as prepared by the American Cochin Club, with a few changes in some of the wording, will be presented to the Revision Committee of the American Poultry Association for their consideration and approval. At the same time a resolution will be presented asking the committee to cut out of the Standard for Cochins and Cochin Bantams *all color disqualifications.*

Being very much in favor of this move, I shall try to state my reasons in a few words and as plainly as possible: No fowl has advanced in quality and public favor more than the Buff Cochin in the last twenty years. They never were hampered nor held down by color disqualifications. They are the very hardest color to breed to perfection, and, for all this, they have advanced so much in all points of form and color that each year brings from the press exclamations of wonder at their advancement in twelve months. All this and more could be said in this line, but it is not necessary. Well can I remember when the Black and White Cochins were fully the equal in shape of the Buffs. They have improved, but not so fast as the Buffs, being so heavily handicapped with color disqualifications. It is a wonder that the Black Cochins and the Black Cochin Bantams live to tell the story of a hard-fought battle against a mountain of one hundred and twenty-five words in the disqualifications against them. Why this should be no one can tell. A number of Cochin breeders, many of them not members of the American Poultry Association, join in asking all interested in Cochins and Cochin Bantams to consider well these points and to send the undersigned your vote on this question. Shall Cochins and Cochin Bantams be exempt from color disqualifications, or shall they go on struggling for better form and color, weighed down by color disqualifications that cannot in any way improve them?

The Partridge Cochin was formerly more heavily burdened with color disqualifications than at present; they have advanced more in the last four years than in the twenty years prior to 1893. You may bring up all the theories you please on this subject, the plain cold facts are that the Cochins that are the least burdened with color disqualification have made the greatest advancement in all points of *form*, *feather*, and *color*.

Shall we discard color disqualifications for Cochins and Cochin Bantams? is the question. T. F. MCGREW.

New York City.



Coop No. 7.—Double open coop for older chicks, 6x8 feet, making two apartments, 4x6 feet. This coop will house about 100 growing chicks.

Grit.

The feeding of grit or crushed oyster shells during the laying season is to be recommended, as a certain amount of lime is necessary for the formation of the shell. Fine gravel containing limestone makes a good grit, and old crockery or glass broken into particles no larger than a grain of corn or smaller than a grain of wheat will be found excellent.

Coming Events.

Aug. 16-20—Mt. Gretna, Pa. Mt. Gretna Agricultural, Mechanical and Industrial Exposition. M. B. Blauch, sec'y.

Aug. 30-Sept. 11—Toronto, Canada. Victorian-Era Exposition and Industrial Fair. H. J. Hill, sec'y.

Sept. 14-17—Middletown, N. Y. Orange County Agricultural Society. D. Lincoln Orr, sec'y.

Oct. 12-15—Hagerstown, Md. John L. Cost, superintendent.

Nov. 2-3—Hamilton, Va. Old Dominion P. and P. Ass'n, of Loudoun Co. R. J. N. Reid, sec'y.

Nov. 15-17, 1897—Kirksville, Mo. North Missouri P. and P. S. Ass'n. E. M. Durham, sec'y, La Plata, Mo.

Nov. 22-26—Ashley, Ohio. Ashley P. and P. S. Ass'n. E. C. Sipe, sec'y.

Nov. 24-26—Mt. Ayr, Iowa. Ringgold Co. P. Ass'n. W. E. Burleigh, sec'y.

Nov. 24-27—Johnstown, N. Y. Adirondack P. and P. S. Club. H. J Quilhot, sec'y.

Nov. 25-27—Independence, Mo. Jackson Co. P. Ass'n. Wm. Bostian, sec'y.

Nov. 29-Dec. 2—Seneca, N. Y. Seneca P. and P. Ass'n. Fred. Hobel, sec'y.

Nov. 29-Dec. 4—Lebanon, Mo. Laclede Co. P. Ass'n. Geo. H. Hinds, sec'y.

Nov. 30-Dec. 3—Auburn, Neb. Nemaha Valley P. Ass'n. L. L. Alspaugh, sec'y.

Dec. 1-4—Fall River, Mass. Fall River P. and P. S. Ass'n. H. L. Winslow, sec'y.

Dec. 1-6—Miamisburg, Ohio. Miami P. Ass'n. Oliver L. Dosch, sec'y.

Dec. 6-11—Sedgewick, Kans. Harvey Co. P. Ass'n. W. M. Congdon, sec'y.

Dec. 6-12—Cleveland, Ohio. Nothern Ohio P. and P. S. Ass'n. F. R. Hunt, sec'y.

Dec. 7-10—Parsons, Kans. Parsons and S. E. P. Ass'n. J. R. Alexander, sec'y.

Dec. 7-10—Dallas, Tex. Dallas P., P. and P. S. Ass'n. H. M. Skelton, sec'y.

Dec. 7-11—Prophetstown, Ill. Rock River P. Ass'n. W. W. Moyer, sec'y.

Dec. 8-11—Danbury, Conn. Danbury and Bethel P. Ass'n. F. Bowman, sec'y.

Dec. 8-12 Paola, Kans. Miami Co. P. Ass'n. E. E. Johnson, sec'y.

Dec. 13-18—St. Louis, Mo. St. Louis Fanciers' Ass'n. J. H. Ahrens, sec'y.

Dec. 14-16—Coulterville, Ill. Egyptian P. Ass'n. Samuel Eyre, sec'y.

Dec. 14-17—Clinton, Mo. S. W. Mo. P. Ass'n. W. H. Talbert, sec'y.

Dec. 14-17—Titusville, Pa. Titusville P. Ass'n. C. M. Hayes, sec,y.

Dec. 14-17—Oneonta, N. Y. Oneonta P. and P. S. Ass'n. Arthur J. Relyea, sec'y.

Dec. 14-18—Dixon, Ill. Rock River Valley P. Ass'n. F. W. Fargo, sec'y.

Dec. 14-21—Topeka, Kans. Western Pigeon Club. M. F. Hankla, sec'y.

Dec. 15-18—New London, Conn. Eastern Connecticut P. Ass'n. Chas. B. Smith, acting sec'y.

Dec. 15-18—West Chester, Pa. West Chester P. and P. Ass'n. F. D. Reid, sec'y.

Dec. 15-21—Bloomington, Ill. Bloomington P. Ass'n. J. D. Shipley, sec'y.

Dec. 20-25—Princeton, Ill. Central Illinois P. Ass'n. A. C. Best, sec'y.

Dec. 20-25—Lansing, Mich. Central Michigan P. Ass'n. Chas. H. Crane, sec'y.

Dec. 21-24—Palmyra, Ill. Palmyra P. Club. S. A. Rigg, sec'y.

Dec. 21-24—Sandusky, O. Associated Fanciers' Ass'n. E. G. Rogers, sec'y.

Dec. 21-24—Lincoln, Ill. Logan Co. P., P. and P. S. Ass'n. F. A. Hickman, sec,y.

Dec. 22-25—Ashland, O. Ashland Co. P. Ass'n. H. A. Mykrantz, sec'y.

Dec. 23-30—Kansas City, Mo. Mid-Continental P. Ass'n. F. M. Slutz, sec'y.

Dec. 26-31—Tacoma, Wash. Tacoma P. Ass'n. Stephen Holbrooke, sec'y.

Dec. 27-Jan. 1—Wilkes Barre, Pa. Wilkes Barre P., P. and P. S. Ass'n. E. S. Kirkhuff, sec'y.

Dec. 28-30—Haverhill, Mass. Merrimack Valley P. Ass'n. George H. Greenman, sec'y.

Dec. 28-Jan. 1—Springfield, O. Springfield Fanciers' Ass'n. W. H. Holmes, sec'y.

Dec. 28-Jan. 1—Erie, Pa. N. W. Pa. P., P. and P. S. Ass'n. A. E. Blethen, sec'y.

Dec. 29-Jan. 1—Mansfield, O. Mansfield P., P and P. S. Ass'n. C. W. Etz, sec'y.

Dec. 29-Jan. 1—New Haven, Conn. New Haven P. Ass'n. N. D. Forbes, sec'y.

Dec. 30-Jan. 4—Ottawa, Kans. Franklin Co. P. Ass'n. Mrs. D. F. Heiser, sec'y.

Jan. 3-7—Geneseo, Ill. Geneseo Poultry Show. Wm. G. Warnock, sec'y.

Jan. 3-8—Buffalo, N. Y. Erie Co. P. Breeders' Ass'n. E. C. Pease, sec'y.

Jan. 3-8—Detroit, Mich. Michigan State P. and P. S. Ass'n. F. W. McKinzie, sec'y.

Jan. 4-7—Canton, O. Canton P. Ass'n. Wm. Friedman, sec'y.

Jan. 4-7—Carey, O. Carey P. and P. S. Ass'n. T. W. McClure, sec'y.

Jan. 4-8—Peoria, Ill. Peoria Feathered Stock Ass'n. T. A. Godel, sec'y.

Jan. 10-15—Rochester, N. Y. Rochester P., P. and P. S. Ass'n. J. J. Beveridge, sec'y.

Jan. 10-15—Indianapolis, Ind. Indiana State P. Ass'n. Thos. W. Pottage, sec'y.

Jan. 10-15—Rockford, Ill. Northern Illinois P. Ass'n. A. H. Currier, sec'y.

Jan. 10-15—Cedar Rapids, Iowa. Linn Co. P. Ass'n. Chas. H. Playter, sec'y.

Jan. 10-15—Louisville, Ky. Kentucky State P. Ass'n. J. R. Mount, sec'y.

Jan. 10-17—Los Angeles, Cal. Los Angeles Co. P. Ass'n. Henry W. Kruckeberg, sec'y.

Jan. 11-15—Nashville, Tenn. Tennessee P., P. and P. S. Ass'n. J. M. Hopkins, sec'y.

Jan. 11-15—Washington C. H., O. Southern O. P. Ass'n. W. R. Dalbey, sec'y.

Jan. 12-14—Charlotte, N. C. Charlotte P. and P. S. Ass'n. W. M. Barringer, sec'y.

Jan. 18-22—Boston, Mass. A. R. Sharp, Supt., Taunton, Mass.

Jan. 24-29—Chicago, Ill. National Fanciers' Ass'n. Chas. S. Weaver, sec'y.

Jan. 31-Feb. 3—Henry, Ill. Illinois Valley P. Ass'n. A. G. Humphrey, sec'y.

Feb. 1-5—Bluffton, O. Consolidated P. Ass'n. D. J. Kohli, sec'y.

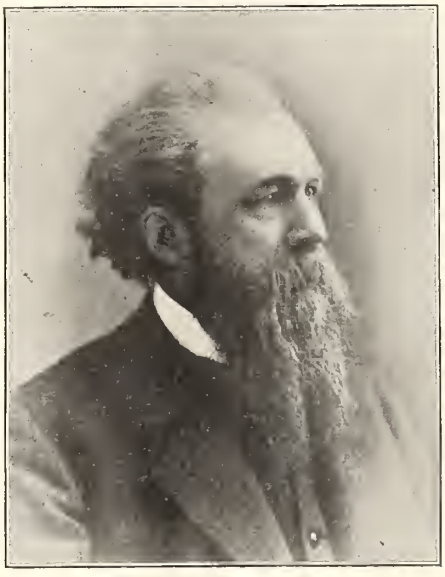
Feb. 2-6—New York. Madison Square Garden. H. V. Crawford, sec'y, Montclair, N. J.

Feb. 15-20—Washington, D. C. National P. and P. Ass'n. George E. Howard, Sec'y.

The Washington Event.

Several years ago the idea was conceived that Washington City, with all of its advantages, would make an excellent show center for poultry, pigeons, and pet stock. In the Spring of 1895 active steps were taken for the organization of an association with this object in view. Interest in the work was manifested on every hand, and liberal responses were made to the call for the preliminary meeting. About thirty enthusiasts answered the call and the meeting was organized with every promise for the future.

About this time Baltimore was interested in a show, and, upon solicitation, the Washington fanciers joined in with their neighbors and organized on March 4, 1895, at Baltimore, Md., the "Maryland and District of Columbia Poultry and Pigeon Association." The following were elected as officers: President, Geo. O. Brown; vice-presidents, Chas. E. Ford, Richard Smith, Dr. H. W. Dorsey, and Samuel Stinemetz; secretary, Geo. E. Howard; assistant secretary, Chas. E. Thomas; treasurer, Dr. R. H. Evans; and a board of directors consisting of thirty-two members. This organization was dissolved the following July.



PRESIDENT H. A. MUNSON.

The dissolution of such a promising association as the one above was much to be regretted, but the Washington contingent felt themselves in duty bound to continue with the work they had started. In the following month, August 2, 1895, the "National Poultry and Pigeon Association" was organized with the following officers: President, H. A. Munson; vice-presidents, Dr. H. W. Dorsey and Richard Smith; secretary, George E. Howard; treasurer, Dr. R. H. Evans; and a board of directors consisting of the above officers and the following gentlemen: John W. Douglass, Edward S. Schmid, Chas. E. Thomas, Dr. W. J. Elstun, Samuel Stinemetz, and John E. Bardroff.

The objects were: 1. To form an association of fanciers and breeders from every State in the Union. 2. To encourage the breeding of pure-bred poultry, pigeons, and pet stock for practical and fancy purposes; and to discuss all matters pertaining to the raising of specimens according to the recognized standards of perfection. 3. To hold a grand annual exhibition at Washington, D. C., with competition open to the world.

Work was begun at once on the first show of the association, which was held the following February from the 14th to the 18th, inclusive. The story of this show has been told over and over again. The support it received from the public and exhibitors was more than pleasing to its promoters. The attendance was credited with being the largest of any show yet held. The show did a power of good for the poultry and pigeon industries, and the second effort was looked forward to with genuine delight. The second show of the association was held January 12 to 16, 1897. This show was an improvement over the previous one, and in point of entries exceeded the first by more than 800.

The association has now begun work on its third annual show, to be held in this city February 15 to 20, 1898. On May 29th last the association was incorporated under the laws of the District of Columbia, with the following officers: President, H. A. Munson; vice-president, John L. Waggaman; secretary, George E. Howard; treasurer, S. W. Stinemetz; and a board of directors consisting of the above officers and the following gentlemen: Dr. D. E. Salmon, Edw. S. Schmid, Dr. W. J. Elstun, Rudolph Thiele.

The association intends holding a show this year that will be governed on more progressive ideas than the two previous ones, and many innovations will be made. Work has now begun in earnest and plans are being carefully laid for the carrying out of new ideas. Already promises of numerous entries have been received and every indication points to the success of the coming event. Washington City is an admirable place for holding an annual show and much good to the industries will be accomplished through its influence. The best of judges have been engaged and the awards will be placed by the popular comparison system. The dates of the show are such that it will be possible for all exhibitors to attend and enter their birds without conflicting with other dates. The intention of the association in holding their show at this time is to make the event a grand round-up for the season of '97 and '98.



VICE-PRESIDENT JOHN L. WAGGAMAN.

Lawn Cuttings.

The green clover clipped from the lawn should be saved and fed to the laying hens. It is rich in lime, containing many times as much as does corn, and is quite equal to corn in its flesh-forming elements. It is also highly nitrogenous. If fed every other day it will keep the fowls in a healthy, laying condition.

The Tariff and the Hens.

An egg is a simple thing and small, but eggs in the aggregate are of vast importance. The value of the eggs produced by the American hen every year is something enormous, and by the efforts of Mr. Dingley and his honorable colleagues in the work of constructing the new tariff this value will be greatly increased during the years to come.

For Mr. Dingley and his aforesaid colleagues have had the American hen in mind all the time they have been laboring over their schedules. They were told when they began that her product was subject to undue competition from the Canadian hen, and that it was clearly their duty to make a change. These statements brought about the desired result. The duty on eggs under the Dingley tariff will be five cents a dozen, instead of three, and the American hen and the Yankee farmers on the Canadian frontier are happy.

Whether the inhabitants of Greater New York will eventually be pleased or otherwise by the advance is a question that cannot be answered yet awhile.

Consideration of the egg question with regard to the Greater New York leads to surprises of two sorts—first, that so many eggs in the aggregate are used, and, second, that so few are consumed, in view of the total population. They are nearly all received by the brokers and commission dealers who do business in connection with the Mercantile Exchange down in Harrison Street. It is an important duty of one of the clerks in the employ of this institution daily to jot down the receipts of eggs, to tot them up at the end of each week and month, and to make a grand footing at the end of each year.

According to this functionary the total receipts for 1896 were 9,902 barrels, containing on an average 70 dozens each, and 2,573,177 cases, averaging 30 dozens each; 77,195,310 dozens in cases, 693,140 dozens in barrels, or 77,888,450 dozens in the aggregate. Add to these the eggs that are brought into Greater New York on wagons from nearby points—for the Mercantile Exchange receives eggs only that come in by rail and boat—and the grand total will not be far from 80,000,000 dozens, or 960,000,000 separate eggs.

If the price of these eggs were to rise two cents a dozen, in accordance with the advance in duty, the Greater New York would be out of pocket just $1,600,000 every year.

By a mathematical calculation far more elaborate than the squaring of the circle, a detailed explanation of which would perhaps be boresome to the reader satiated with facts about eggs, it has

been demonstrated that on the average they contain two cubic inches apiece and that the grand total of all the eggs consumed in New York a year would fill up a bin holding 1,111,111 cubic feet.

By another calculation it is demonstrable that all these eggs, merged into one, would constitute a vast ovoid about 300 feet in length and not far from 212½ feet in diameter. This egg, if placed in front of a city block on Broadway, would extend from street to street with fifty feet to spare on either end, and would be as high as a sixteen story skyscraper. Placed by the side of the beautiful arch erected in memory of the Father of His Country, in Washington Square, it would completely overshadow the majestic memorial structure. The egg would weigh between 53,000 and 54,000 tons.—*New York Herald.*

Poultry In Florida.

The profits of poultry raising are not as widely recognized in Florida as they should be. Nearly every farm produces poultry and eggs for home consumption, but the business has developed into a specialty only in few and rare instances, and the great bulk of poultry products consumed within the State, especially during the Winter, when Florida is thronged with stranger visitors, is brought from other States where the producers make a regular and profitable business of raising such products for the markets.



SECRETARY GEORGE E. HOWARD.

There is no lack of evidence that Florida is a favorable region for the successful conduct of the poultry business. Instances of success, some of which are almost phenomenal, might be cited. One or two are all we have room for just now.

A Tampa paper recently contained the following: The prices of eggs and chickens in Florida are upon an average more than double what they are in Kansas, and it follows that more money can be made here than there. Some people say that chickens cannot be raised here because the sand fleas and other insect pests are so bad. But there are people who do raise them successfully. The writer happens to know a negro near Tampa who keeps more than a hundred hens, and finds no trouble from insects, because he guards against them. He makes $3.00 a year from each hen. There are many white farmers in the country who pick up from one to five hundred dollars a year each from their fowl yards. Now let us embrace the hen and the opportunity she affords. She must be fed and housed, and otherwise attended to with care, but she will pay the biggest kind of returns on the investment.

A correspondent of the *Bartow Courier-Informant* says: As to the profitableness of poultry, I will give last year's and the first four months' report of this year, and let the reader judge for himself. Last year I began January 1st with 208 hens, and by November 1st the number was reduced to 177, when some pullets began laying. These hens paid for all the feed stuff they ate, the feed for one horse, all the groceries and some dry goods for a family of five for the year, and feed for six hogs for six months. This year I began with 261 hens, and March 1st added twenty-two pullets. I now have 278. These have fed themselves, two horses, paid for the groceries and some dry good for a family of five, and have $26.04 cash credited to them May 1st.—*Florida Citizen.*

Fat Hens Will Lay.

Some editors of poultry papers advise not to feed much during Summer, but let hens hunt and scratch for a living and to make eggs, writes John Bennett in the *Indiana Farmer.* And he adds: I feed liberally; still my Spanish would follow me when passing through the yard; yes, they always act as if hungry. I thought I would try it, kill or cure. I broke ears of corn and threw it in the yard; all they wanted to eat. They soon began to die? No. They became more lively, laid more eggs, and cackled to make my ears ring. They laid satisfactorily; more so than when fed ordinarily with full range. I was more surprised at seeing a hen come from under the barn floor. I had not noticed a hole where a hen could go through. I pried up a couple of boards to look under the floor, and such a sight! The ground was literally covered with eggs. I took the half-bushel measure and a rake and gathered them up. I didn't count them; too many. I poured them out on the manure pile and broke them for chicken feed, as I had no confidence to eat them, or take them to the store. (I might have kept them till campaign time.)



TREASURER S. W. STINEMETZ.

For a variety I had a patch of rye. I mowed it, hauled it in the yard to let the hens help themselves. Now they still lay more. It convinces me that fat hens will lay.

Marketing Poultry.

Now that the markets of the world are open to us, writes a correspondent, let us make use of the great foreign demand and the great demand in all our own cities, where poultry at the grocers' is always too high for the masses. Farmers should raise more choice poultry and quit selling so much miserably mean stuff—old roosters and old sitting hens—that disgusts people with chickens. Mature the chickens early and sell off all the surplus roosters before they are a year old, and the same with hens not wanted for layers. Fatten them well before marketing, and sell direct to some city or town grocer, or ship to some reliable commission merchant, who can place them promptly with the city grocers. Live poultry can go by freight 200 to 300 miles in twelve to twenty-four hours. Country buyers pay so little and they often ship by express at high rates. As the weather gets cold poultry may be dressed and shipped direct to the grocers, which would bring much better prices, as chickens and turkeys retail at twelve to fifteen cents a pound. Ten times as much poultry would be used if town and city people could get choice young poultry and know that it is choice.

We are exporting dressed poultry in cold storage with our dressed beef and mutton to England, and could ship five times as much more if we only had the choice poultry, but choice chickens are like choice butter, hard to buy, and always command an extra price. Turkeys are generally more uniformly good. When we learn to raise only the improved breeds and market them young, we will make more money.

Molting.

The greatest of care must be taken to keep fowls in good condition during the molting season. It is a drain on their vital powers to furnish the material for a full coat of new feathers. There is apt to be a laxity of attention to their feeding during this period on account of their cessation of laying, when in fact there should be more care taken. It is a good plan to select all the fowls that it is desired to Winter or keep for breeding, and market the balance. This will cut down the expense of the molting season. Hens which will molt early, if they are in good condition and comfortably housed, will nearly always make the best Winter layers, while the later molters will rarely lay until Spring. These latter should have a place where they can keep warm and dry, and be given an abundance of nutritious food.

The period of molting may be shortened by careful attention, and a supply of food rich in muscle, bone, and feather-forming materials rather than fat-making foods. Always provide pure, fresh water and keep the quarters clean. Wheat, oats, linseed meal, bone meal, meat scraps, and fresh ground bone make better food at this time than corn or anything that may be considered a fattening ration. While it may not be best to feed the chickens all they will eat, in nearly all cases liberal feeding and the supplying of a good variety will be found the most desirable thing to do. The hens need to take sufficient exercise to be healthy.

For advertising rates, see editorial page.

QUALITY PAYS.

A Keynote to Those Who Hope to Succeed in Poultry Raising.

BY WM. H. RHEES.

IN THESE days of over-production in farm products and also in nearly all lines of manufactured goods, quality forms a more than usually influencial factor in securing the best prices or in making a sale at any quotation in a glutted market.

The poultryman raising table fowls for the general market, or the fancier striving to breed a large number of prize winners, will learn early in his experience that he must continually fight for better quality, and that it pays far better to endeavor to practise intensive, thoughtful poultry culture rather than extensive haphazard chicken raising. Many factors can enter in to bring the desired results as to quality. The beginner can well spend much time in looking over the markets and endeavoring to find out what the customer desires and what receives the best price.

It seems wise to cater to the demands of the public, to tickle their palates, as it were, even if you think their fads and fancies are all imagination; by so doing you will most likely secure profitable sales. If the demand is for white eggs, and white-skinned table fowls, try to furnish them; or if brown eggs and yellow-skinned fowls sell best, by all means endeavor to have such goods—not only the best of the kind, but of the kind that receives the preference. This every breeder must determine for himself by a careful examination of local markets. The large producer who has sufficient regular out-put to warrant should look closely into the question of shipping to some large city and carefully study freight and express rates.

Progressive business methods and common-sense ideas will help the poultryman with goods to sell just as much as the great city merchant. Build up a reputation for the high quality of your products, and keep it by being reliable, and your success is assured. Merit the business confidence of your commission merchants or customers. It requires work and untiring attention to the little details to obtain the right standard of quality.

What are these little details? Among them are uniformity, cleanliness, and a regard for appearance. Some people believe all eggs are alike, but the market has many standards of qualities and values. The purchasers are not going to pay top prices without an equivalent in quality; the seller must do his part. Will it pay to bother with this extra labor? We most assuredly believe so. You will be better satisfied with yourself and better pleased with the profits. Let us look to outside appearances; if possible, pack all eggs of one color together, have them clean, also the pasteboard fillers and cases. Use the small eggs at home.

In dealing direct with the customer stamp the eggs with your own name or brand. There is a difference inside as well as outside, a difference in the taste, quality, and food value of eggs from healthy thoroughbred hens fed on healthy food and eggs produced by half-starved, diseased scrub fowls. Perhaps you do not believe this, but there are many people who do and who are daily paying an extra price for the quality of eggs wanted.

Know the eggs you send to market are fresh; don't let there be an element of doubt. Gather your eggs at least once a day and keep them in a cool place. Beware of borrowing eggs from your neighbors when your supply is short. Look out for those ancient nest-eggs. We know of a case where a breeder supplying a certain hotel at a health resort put in two hen nest-eggs among the "guaranteed fresh," and when these eggs were boiled they exploded all over the cook. Imagine the disgust of the guest had this accident happened at the table, and the injury to the reputation of the hotel proprietor! How easy it would have been for the hen man to have marked the nest eggs, or, better yet, had a new one every day or used china ones. It is just such inexcusable carelessness as this that has brought disaster to many farmers and poultrymen, and yet they claim "an egg is an egg," and there is no money in hens.

A visit to the dressed poultry market of any large city will soon show the observer that there is very great room for improvement in the vast majority of fowls offered for sale. The razor-breasted, slab-sided, long-legged carcasses are most numerous. Spring chickens? Oh! yes, of many Springs and very springy. If you go early the market man may take you aside and say, "You want something nice? Ah! that is different; back here are some extra choice goods, nice, plump, tender, juicy fowls; cost you more, but they are worth it; shipped in by Josh Jones; he knows how to raise what the folks with money want; can't supply the demand for 'em." There is an old saying that "beauty is only skin deep," but the well-dressed market fowl is the right quality to bring a good price. Ship your poultry well packed in neat, clean boxes and try to learn from the commission man what he wants and the best days to ship, etc.

There is little doubt but that Boston is by far the best market for high-grade table poultry. The people there have been educated to appreciate high quality in poultry products and now demand the best, at very remunerative prices to the seller. Without improved breeds of thoroughbred fowls this would have been impossible. Beyond doubt to the fact that New England is the home of the thoroughbred and that poultry generally in this section contains a higher per cent. of fowls of modern improved breeds than elsewhere in this country, is due the cause of this condition, alike beneficial to the consumer and breeder of poultry. So, too, is good pioneer work being done all over the land by the introduction of pure-blooded stock, which will sooner or later raise the quality of poultry products and increase the profits in the poultry industry.

There are many hard-working farmers and poultrymen who have lost their reputations for honesty in poultry transactions through the dishonest methods of rascals of commission merchants or middle men. We know it to be a fact that outside the Center Market, at Washington, D. C.,—one of the largest and finest in the country—hucksters will back their wagons up to the pavement where the farmers offer their market truck for sale, and show what appears to be a few dozen eggs in a neat basket, right from the farm that morning, when in truth the said huckster has just taken them from a case of the lowest price ranch eggs, in his wagon, bought from some commission merchant.

There has lately been published in the daily papers an account of a dealer who had a case of eggs hatch out chickens in his store during a hot spell. Evidently the farmer is often justly blamed for poor quality. It is of equally vital importance that the fancier pay attention to quality. He must try to produce a fair amount of high-scoring birds from his matings; must by experience learn the hundreds of details that help toward securing success in breeding prize winners. Buyers have a right to expect quality in the birds they buy in accord with the price paid; breeders must return value received.

At this season of the year much can be achieved toward better quality by keeping the young chickens growing. This is their age of susceptibility, when nature will give the best returns in pounds of poultry flesh per pound of feed given. Care taken to keep the chicks comfortable and healthy means better quality when selling time arrives. Let their growth be continuous from shell to griddle with no halt or retarding of development; you must mould the framework and form the right foundation before maturity is reached, the perfecting can be done later.

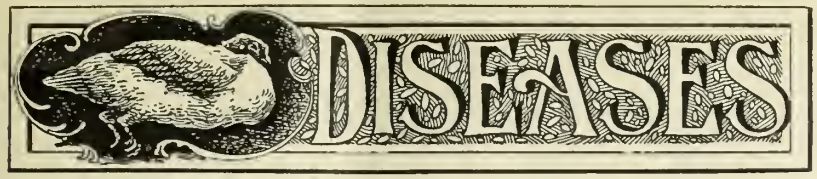
Why not study and practise caponizing? This permits turning late-hatched or cull cockerels into the most delicious and desired table fowl, which will command a price of from twenty to forty cents per pound, instead of a slow sale at four to six cents; surely it will pay to experiment to produce this kind of quality. Therefore let the poultry raiser follow the policy of "not how many, but how good." Not how many breeds, but rather strive for the highest average quality in one variety. Look with care and consideration to the small items; not much, each by itself, but the aggregate forms a powerful help to that reputation and reliability that means success alike to the market poultryman and fancier. When once able to produce the right quality, it will be comparatively easy to raise the desired quantity.

Feeding Clover.

If you have a second crop of clover, cut it while green and tender, dry it carefully, preserving all the leaves and blossoms possible and store it up for poultry food in Winter. To feed it properly, it should be cut fine and fed dry, but the best way of preparing it is to cut it in the afternoon. At night scald it in a tub or bucket by pouring boiling water over it; throw a cover (old carpet or anything) over the tub, allow it to stand all night and in the morning it will be still warm, and possess a savory odor that will almost tempt you to eat it yourself. To every bucketful of cut hay add one quart of the following mixture: Ground corn, ground oats, and bran, ten pounds; linseed meal, one pound; salt, one ounce; mix well. Feed in a trough, and give the hens all they will eat, twice a day. Each hen will walk away when she has eaten all she wishes. The bucket of dry food (scalded at night, as mentioned) will feed about thirty hens and perhaps more. and they will relish it highly. No other green food will be necessary. A gill of wheat may be scattered in the litter, so as to induce the hens to hunt and scratch.

The Frederick Show.

The Frederick Fair and Poultry Show for 1897 will be held at Frederick City, Md., October 19-22, inclusive. For full information address the secretary, Harry C. Keefer, Frederick City, Md.



CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Diseases of the Feet.

BY DR. D. E. SALMON.

THE feet of poultry are very subject to diseases which result from pricks, cuts, bruises, and other injuries. Although the weight of birds is small compared with that of most other domesticated animals, the fact that their nights are usually spent upon perches, that in flying from these perches they often alight very heavily, and that they scratch very vigorously in searching for their food, is a sufficient explanation of their peculiar liability to this class of injuries. It is convenient for our purpose to divide the diseases of the feet. which result from injuries, into three classes; viz., 1, superficial sores; 2, corns; 3, deep bruises and abscesses.

SUPERFICIAL SORES (*Abrasions, Pricks, Cuts, Cracks, and Fissures*).—Such injuries are not very serious, but if the bird is seen to be lame, and particularly if there is any heat or swelling about the toes or foot, suitable measures should be taken to make the bird comfortable and prevent the development of a more dangerous condition. If there is much inflammation indicated by heat and swelling, hold the foot in water almost as warm as the hand can bear for half an hour, adding hot water from time to time to keep up the temperature. Before the bird is released apply a small quantity of boric acid ointment (boric acid one part, vaseline five parts,) to the injured part. This ointment should also be applied to abrasions, cuts, and cracks where the hot water treatment is unnecessary, as it promotes rapid healing. Confine the bird to a yard covered with soft earth or young grass for a few days and do not allow it to roost upon a perch until its feet are well.

CORNS.—The condition known as corns is an inflammation and thickening of the skin on the under surface of the foot, the result of prolonged pressure, irritation, and bruises. Corns are generally caused by too small or too narrow perches which compel the fowls to grasp them tightly in order to maintain their position. This firm grasp continued night after night affects the circulation of the part of the foot that comes in closest contact with the perch. More or less irritation and inflammation is set up, which leads to multiplication and enlargement of the cells of the part, and results in swelling and thickening of the skin. A similar condition may be caused by heavy birds flying from their perches and alighting upon a stony surface or hard floor.

Suitable precautions should be adopted to prevent the development of corns. The perches should be broad and flat, they should be of a proper height, and the floor upon which the birds alight should be covered with earth or sand so the feet will not be bruised. The affected birds should be treated by paring off the thickened epidermis, without causing bleeding, and applying boric acid ointment (see above), or painting the par with tincture of iodine.

DEEP BRUISES AND ABSCESSES (*Bumblefoot*).—This is an aggravation of the condition known as corns. It is seen in those cases where the irritation and bruising is most severe or prolonged. The affected part is hot, painful, and more or less swollen. Sometimes an abscess has formed, or in older cases this abscess may have broken and left a suppurating sore. In the most severe cases the joints may be inflamed, and may even be penetrated by the pus channels which have formed from the abscesses.

As treatment employ the preventive measures already mentioned for corns and other injuries to the feet. Soak the feet in warm water for a half hour twice a day and poultice until the inflammation is reduced. If an abscess in the sole is indicated by a soft, fluctuating swelling of the part, it should be opened with a sharp knife. After the poulticing is completed apply boric acid ointment and protect the feet with a piece of cotton cloth. If the joints have become affected and particularly if these communicate with the pus channels and are the seat of suppuration, the bird should be killed, as its treatment would be unprofitable, and its entire recovery would not be probable.

RHEUMATISM AND GOUT.—All species of fowls and especially chickens are subject to rheumatic affections. The trouble begins with spasmodic jerking of the legs, and is followed by lameness, indisposition to remain standing, painful joints and refusal to walk. The feet and the next joint above (tibio-tarsal), are most frequently affected. After a time small swellings appear upon the sides of these joints, which are at first soft, and somewhat painful, but gradually become more firm until they feel like enlargements of the bones. Sometimes these swellings ulcerate, in which case the sores appear red, irregular in outline and bleeding. A yellowish flaky or stringy pus partly fills the sore and when this is removed the naked tendons, bones or joints may sometimes be seen. The cavities of the joints are opened to the air, fistulas develop and death of the bone occurs. The disease is chronic in its development and the advanced stages are, therefore, generally seen in old birds. The affected birds may live a long time even when the disease has progressed to the extreme degree described above. They loose flesh, however, their plumage becomes rough and dull, diarrhea sets in and death occurs from exhaustion. As rheumatism is usually caused by exposure to cold and dampness, the development of the disease in one or more fowls of a flock should be a warning to improve the ventilation and drainage of the houses. The buildings where the fowls live and roost should be thoroughly dry, free from drafts, yet well ventilated, and not too cold. With proper attention to these sanitary arrangements the disease should be prevented. Affected birds should have frequent change of ration with plenty of green feed. Begin treatment with a dose of Epsom salts 20 to 30 grains. The following day add 30 to 40 grains of bicarbonate of soda (baking soda) to the quart of drinking water, and give 2 or 3 grains of salicylic acid twice a day. Apply camphorated or carbolic ointment to the affected joints. The birds which are seriously affected would be better killed than treated, and the main reliance must be under any circumstances in prevention by securing proper sanitary conditions.

Their Dependence.

Some poultrymen think that chicks thrive better if left to the care of the hen than when the hen is cooped, and they must depend on being fed. It is true that when at liberty, the hen scratches and teaches her chicks to do so almost constantly, and they do not find food in such abundance as to overeat. We may approach this condition of nature by feeding often, but very little at a time. Six scanty meals per day are better than three over-abundant. But it is also true that there are several ways by which chicks are much more apt to come to harm following the hen about than when her presence in the coop attracts them thither. Hens seldom have the instinct to keep out of the wet grass with their broods. In case of sudden showers, too, chicks running at large are apt to get caught in unsheltered places. Attacks from vermin cannot be guarded against at all unless chicks are cooped. But in cooping, it is quite necessary to make provision for their health and growth by carefully supplying all their needs and giving them all the advantages which they would naturally seek for themselves. H. E. W.

Dropsy.

The accumulation of liquid in the abdominal cavity. This results from inflammation of the lining membrane due to injuries, parasites, tumors, and various other causes. The abdomen is enlarged and when pressed upon with the fingers is found soft and fluctuating. Treat with Epsom salts, 30 grains, for a purge, and follow this with iodide of potassium, 2 grains, twice daily, dissolved in a small quantity of water.

Another Date.

Mr. D. J. Lambert, Apponaug, R. I., has been appointed one of the judges at Malvern, Iowa, November 22-27, 1897.

TOO LATE TO CLASSIFY

HIGH-CLASS LOP-EARED AND FLEMISH GIANT RABBITS—Have just bought out a stock of Belgian Hares, young and breeders. Will sell at bargains to reduce stock. Write for prices. ELLIOTT SMITH. Port Chester, N. Y.

FOR SALE—Rose and Single Comb White Leghorn cockerels and pullets. Also Single Comb Brown Leghorns. Address B. STEWART, Ashburn, Va.

H. M. DOUBLEDAY, Mertensia, N. Y.—$25.00 silver cup winner on Buff Plymouth Rocks at the great Rochester poultry show, 1897, has 200 chicks, April, May, and June hatch, and is having many visits from poultry judges and fanciers who give him the praise of showing a flock their equal hard to find. Yearling and young stock for sale. Prices according to quality.

1000 Printed Business Cards for $1.00, prepaid. Printer Woolverton, Brandon, Wis.

WANTED—300 (three hundred) Black Minorca hens, hatch of 1896. State lowest price and how many you have. OAKLEIGH STOCK FARM, Gardenville, Md.

MY GAMES please everybody. Circular free. Single ex. rates. Irish Black Reds, Heathwoods, Irish and Mexican Grays, Tornadoes, and Cornish Indian. C. D. Smith, Fort Plain, N.Y.

The Feather,
Washington, D. C.

Published the 15th of Each Month by
GEORGE E. HOWARD & CO.

Subscription 50 Cents a Year in Advance.
Single Copies 5 Cents.

GEORGE E. HOWARD, Editor.

All matter intended for publication should reach us by the first of the month preceding the issue in which the same is to appear.

Write your name in full, giving full post office address plainly, so there will be no mistakes.

When writing for publication use only one side of paper. Brevity is the soul of wit.

Advertising in The Feather.

The Feather now offers the best and cheapest advertising in the country. Its circulation has increased more than one hundred per cent. during the last year. Its advertising rates are lower than those of any other journal of equal standing and circulation.

The Feather reaches the people that transact the poultry and pigeon business of the country. Its publishers have made a special effort to include among its readers all the most successful and most enterprising fanciers. Advertisers are often astonished by the large amount of business which comes to them after running their card a few months. There is no other medium which reaches so large a proportion of readers in all sections of the country who are able and willing to buy when they learn who are offering the stock or supplies which they need.

Bills of five dollars or less are payable in advance.

All other bills are payable quarterly after the first insertion for the quarter.

Five per cent. discount will be allowed on bills of over five dollars which are paid in advance.

No advertisement will be inserted at any price from persons who are not responsible or who fail to deal honestly with their patrons. We particularly request our readers to notify us of any advertisers whom they believe to be dishonest or fraudulent. Honest advertisers will be protected—dishonest ones will be denounced.

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AUGUST, 1897.

The Egg Market of Great Britain. Attention has recently been directed by the editorials of THE FEATHER to the great and profitable market for eggs in Great Britain, and to the opportunities for competition by shippers from the United States. With the facilities for obtaining eggs here at low rates, with such a market within easy reach, and with numerous ships fitted with cold storage chambers plying constantly between the two countries, it is marvelous we have not entered with more spirit into this traffic.

Below we give a table showing how rapidly and steadily the British consumption of foreign eggs has increased since 1860, and the prices which have been paid. This table is more instructive than a volume of comments and we are sure our readers will study it with much interest. These figures have been compiled for THE FEATHER from official returns, and are, therefore, perfectly reliable.

Average number and value of eggs annually imported into Great Britain by five-year periods:

Periods	Average number per annum	Average value per annum	Value per doz. cents
1861-65	280,375,000	$ 3,466,683.88	14.8
1866-70	418,760,000	5,162,031.28	14.8
1871-75	602,863,000	10,046,126.64	20.0
1876-80	760,409,000	11,747,686.72	18.5
1881-85	901,095,000	12,856,433.92	17.1
1886-90	1,123,781,000	15,109,807.24	16.1
1891-95	1,377,918,000	18,358,763.71	16.0
1896	1,589,387,000	20,253,304.28	15.2

The year 1896 has been added for comparison and shows the present condition of the market. What is most striking in this table is the enormous increase in the number and value of the imported eggs. From 1861 to 1865 the average number was less than three hundred million and the average value less than three and a half millions of dollars. Thirty years later the average for a like period was nearly five times the number and more than five times the value. While the price has shown a gradual shrinkage from the average of 1871-75, it is still higher than for the average of the ten years from 1861 to 1870.

The most pertinent fact is that there is a market in Great Britain for more than twenty million dollars worth of foreign eggs and that the average value of these eggs was placed last year at over fifteen cents a dozen. With millions of dozens of eggs in our Western and Southwestern States which can be purchased for from five to eight cents a dozen, and which could be transported to England for three cents a dozen, why have our merchants and transportation companies failed to make the American egg as prominent in British markets as they have made American meats?

We have compiled another table from the statistics of 1895, the latest available, to show the principal countries from which Great Britain obtains her egg supplies. The countries are given in the order of their importance in this trade.

Countries	No. of eggs sold in Great Britain
1. Germany	408,789,000
2. France	327,640,000
3. Belgium	283,402,000
4. Russia	267,592,000
5. Denmark	153,482,000
6. Canada	52,428,000
7. United States	7,289,000
8. Morocco	7,016,000
9. Portugal	4,459,000
10. Spain	4,145,000
11. Holland	3 223,000
12. Sweden	3,142,000
13. Channel Islands	2,298,000

Is it not astonishing that Germany should sell fifty-six eggs in the English market to every egg sold from the United States; that far-away Russia should outstrip us at the rate of thirty-six to one; and that Canada beats us at the rate of seven to one? Is there any possible explanation of these facts, except that we have simply neglected our opportunities?

It might be supposed that eggs from the United States do not reach the British markets in as good condition as those from nearer countries, and that our shippers have been crowded out by low prices. This supposition, however, is not borne out by the statistics. We have carefully computed the value per dozen of the eggs imported from the United States and from the different countries which are ahead of us in this trade, and we are sure our readers will be no less surprised by these results than by the facts brought out in the preceding tables.

The following table shows the value of eggs sold in Great Britain in 1895:

Countries	Cents per doz.
1. France	19.
2. United States	18.
3. Canada	17.3
4. Denmark	17.
5. Belgium	14.6
6. Germany	13.
7. Russia	13.

France, alone, receives more for her eggs in the British markets than does the United States, and she only leads us by one cent a dozen. Canada's eggs average more than two-thirds of a cent a dozen less than ours; Denmark's are a cent lower; Belgium's are nearly three and a half cents lower, while those of Germany and Russia are five cents lower.

We ask again why has this market been so neglected? Is there not every incentive for our exporters to give it their immediate attention? We believe the neglect is due to ignorance of the conditions, and THE FEATHER places these facts before its readers in the confident belief that they will inspire more energetic efforts in this direction.

* * *

Prosperity Is Here. Those persons who continue to stand around, with their hands in their pockets, looking for prosperity are making a mistake and are liable to "get left." Prosperity is here, and all any one needs is to take advantage of it, and be ready to transact business. How do we know? Well, how do we know when it's Winter, or how do we know when it's Summer? By what we see going on around us. The signs of prosperity are no less convincing than the signs of Summer and Winter.

The first indication of good times was the increase in exports, then the increase in building in our cities, and finally the increase in manufactures, and the advancing value in securities. Back of all this and securing a continuance of business activity is the improved condition of our farmers, who must be prosperous in order that railroads and manufacturing establishments, and banks and other business enterprises can be successfully conducted. Last year crops were good and prices fairly remunerative. We are told that in each of several of the Western States from twenty to thirty million dollars of mortgages were paid off. Altogether the farmers reduced their debts over a hundred millions in a single year. This year the crops are again good and prices are a surprise to the most optimistic. The advance in the price of wheat means one hundred millions of dollars in the pockets of the farmers. Fat cattle have advanced at least fifty cents a hundred or five dollars a head—this means twenty-five million dollars on the five million annually marketed. The improved prices in sheep and hogs mean many millions more. Altogether, it is estimated that the advance in prices will give the farmers, at least, two hundred million dollars more than they would have received for the same products last year.

Better than all, the farmers have something to sell this year. The crops are tremendous. There are millions of horses, cattle, sheep, and swine ready for the market. Verily, the farmer leads the procession this time, and his

influence puts life into all other occupations.

The railroads are struggling with the great question of how to move the crops. Cars that have lain idle for years are being repaired and pressed into the service. The car shops are, consequently, running on full time. The increased earnings of the "granger" roads have sent the stocks up so rapidly that even Wall Street is astonished. Ships are leaving our ports loaded to the danger line with wheat and corn. A few days ago the press dispatches informed us that a fleet of forty ships had been chartered in Philadelphia in a single day for the export grain trade. We are sending wheat to South America, Europe, Asia, and Australia and even to the countries that have heretofore been our competitors in the markets of the world. Russia is short of wheat and is about to prohibit further exports. More surprising still, we are exporting a greater quantity of corn than of wheat. Cotton is bringing a good price and the crop is all right. What better foundation for prosperity could we have?

Our foreign trade is in a more healthy condition than it has been for years. During the year ending June 30, 1897, we lessened our imports $15,000,000 and increased our exports $170,000,0 0. As a country, we sold during that year $287,-613,186 worth of products in excess of what we purchased—in other words, the balance of trade was that much in our favor. This is the best record our country has ever made.

Financiers see the signs of the times and are putting their money where it will do the most good. Notwithstanding the fact that July and August are the dullest months of the year, more stocks and bonds are now being sold than at any time for several years. Money is seeking investment; it is going into business enterprises, and once more appearing in circulation.

To crown all, gold is being discovered in extraordinary quantities and over vast areas of territory. We hear of great finds in Mexico, in our Western States and Territories, in Alaska, in British Columbia, and even in Pennsylvania. The director of the mint estimates that the United States will produce $60,000,000 in gold this year and the product of the world will be not less than $240,000,000. There is no longer any reason to fear insufficient supply of this precious metal or that the money kings of the world will succeed in cornering the entire output.

The greatest stone in the arch of prosperity is, however, the poultry industry, and that leads all others in enthusiasm and success. The fact is, our chicken and duck men could never be made to believe that there were any hard times in the country. They have gone right along producing all the poultry and eggs they could, and selling everything at good prices. The poultry crop this year will overtop anything that has ever been raised heretofore in the history of the country. The gold output will be insignificant by the side of it. Any man who would leave a poultry farm and go to Alaska hunting for gold is a lunatic, and the sooner he freezes or starves to death the better for himself and his friends. The poultry and eggs produced this year will be sold at good prices. Begin business early, push it for all it is worth and keep it going. The next two or three years will be the greatest opportunity for money making that this generation will see.

Another Sorehead. And now, five months after the appearance of Farmers' Bulletin, No. 51, the editor of *Farm-Poultry* devotes over four columns of his space to explain to his readers that he does not like that popular publication. He admits that it is very plain this bulletin will not sink into the oblivion which he had hoped and evidently expected for it, so he proposes, rather tardily, to assist it to "gain a notoriety which will make the Department responsible for it more cautious in the future."

Our esteemed contemporary should not allow its already impared nervous system to become unduly excited during this hot weather over a matter which it evidently does not understand, and which will not be influenced in the least by its somewhat incoherent ravings. Its judgment was no worse when it was of the opinion that the bulletin in question was destined to oblivion than it is now when it supposes itself capable of preventing further publications of a similar character in response to the demands of the poultrymen and farmers of the country.

To be frank, we did not expect *Farm-Poultry* would approve of the plan of the Government issuing and distributing such literature, nor did we expect that any publications of this class would find favor in its columns. The poultry bulletins issued by the Experiment Stations of various States have been equally objectionable to this self-constitutcd autocrat of the poultry industry. We sometimes wonder if anybody except the editor of that egotistical sheet can possibly do anything which would fail to receive his ponderous condemnation. What a beautiful set of publications would be issued by the Government if Brother Hunter's advice were always taken! Judging from his address before the Connecticut farmers there never would be any failure to advertise the condition powders manufactured and sold by the thrifty publishers of *Farm-Poultry*. Unfortunately we cannot all think alike even as to the proper place to advertise proprietary nostrums, and as the critical editor of that periodical is so easily shocked by what he considers to be defects in the work of others, we advise him before indulging too freely in stone-throwing to look to the security of his own windows.

A few weeks ago *Farm-Poultry* electrified its readers with an editorial beginning with the query, "Did you ever stop to think how and why *Farm-Poultry* differs from other poultry papers?" It appears that some of its readers did stop to think upon this important subject, and immediately subscribed for some of the aforesaid "other poultry papers." Our editorial brethren have been almost tumultuous in their haste to admit the soft impeachment that there is such a difference and to impress their patrons with the idea that this difference would be increased rather than diminished. We congratulate our brethren of the press and also the poultrymen of the country that the editor of *Farm-Poultry* was right for once, and that there is fully as great a difference as he assumes, though not exactly in the sense which he attempts to establish. He need not be alarmed about competition in his peculiar field—it will be a long time before either the struggle for existencc or artificial selection can be expected to develop elsewhere the same concentration of arrogance, vanity, and tiresome self-conceit. We can endure such editorials in one journal, but we hope a merciful Providence will preserve us from any imitators.

However, vanity and egotism alone hardly account for the bitterness of our contemporary's denunciations. Although it may be wormwood and gall to our author, who boasts that he is *the* practical and popular writer *par excellence*, to find another reaching thousands of readers where he cannot reach hundreds, those who know all the facts will probably also discern the spirit of commercial intolerance. If the Government distributes gratis concisely prepared information on the elements of poultry keeping, may it not interfere with the sale of poultry primers at exorbitant prices? Alas! is it possible that such a sordid consideration may have inspired any part of the columns of eloquence with which our contemporary denounces the Agricultural Department and the Experiment Stations for their efforts to assist the poultry industry? We sincerely hope not, but from any other point of view these autocrats appear most injudicious and erratic.

We, however, hasten to assure our friends, who are working for the benefit of the poultry industry in the Experiment Stations and elsewhere, that there is no occasion for being either alarmed or discouraged by the bilious attacks of our dyspeptic contemporary. The nearer such workers get to the farmers and poultrymen, the farther they will be from Mr. Hunter and the more they will excite his surprise, indignation, and hostility. But that gentleman has been very thoroughly sized up and few pay much attention to his scoldings at the present day. He reminds us of a very foolish and apparently very angry little puppy which we once saw barking around the heels of the elephants at the circus—perfectly harmless and liable to be stepped upon by an elephant at any moment.

* * *

"Ducks of Commerce." The following extract will no doubt prove rather interesting as well as amusing to the duck raisers of the East. It will cause them to abandon their present breeding stock and purchase largely of the "proud mammas" in Kansas that are capable of raising a family of 400 in three years. These "ducks of commerce" must indeed be wonderful fowls, and such "layers" as they are will prove more profitable than all the gold found in Klondyke and vicinity. The *Kansas City Star* is responsible for the following:

> The common duck of commerce is nothing if not prolific. A "layer" during her first year will produce 110 other ducks, if the incubator does its share and the owner doesn't nip the quack in the egg. The second year's reward for a layer is holding the title of proud mamma to 140 ducklings, and the third and last year 150 little quacklings come into the family circle. Think of posing as a parent for three years and having a family of 400 children! Think of having to lie awake at nights after 399 of the offsprings had come in, waiting for the erring 400th. Imagine 263 asking, "May I go out to swim?" while 137 quacked, "I want something to eat!" and this, too, while a "layer" works at the trade only six months in the year, and poses as an indulgent parent the rest of the time. Really, if it wasn't for incubators and "brooders" and the like to take Mrs. Duck's progeny off her hands, or feet, or wings, there would be trouble in the four hundred such as society knows nothing of.

* * *

Help Further the Work. The thirty-first day of this month has been set for the meeting at Fisher's Island, N. Y., of the committee on the revision of the Standard. This is the beginning

of a very important work and every breeder and fancier should interest himself in the matter under advisement. The individual breeder can do much to further the work and assist the committee by sending suggestions to the chairman or any member of the committee. This is an opportunity for all breeders to "right their wrongs" if they have any, and at the same time lend a helping hand to those whose work it will be to shape the qualifications of the coming standard-bred birds. Write your views plainly and to the point and send them in without delay.

* * *

Childish Prattle. It is just the sort of language used by "Nutmeg" in his "Opinions" in the *Stock-Keeper*, that keeps the fancy apart and hinders the work that is destined to help advance the interest of poultry and pigeons. These self-esteemed "opinions" are mere prattle, and show a weakness that is almost prostration. "Nutmeg" may be a great man, but we have no way of telling, as he closes his "opinions" with the happy thought, "that I am not the fellow you think I am, but your "Nutmeg." Following is a sample of his wisdom:

> Washington knows there is no use bucking against New York, so they have changed their dates to the middle of February. That is too late for a show and they will lose a good many entries. They ought to have worked in between Boston and New York.

We assure our esteemed correspondent that Washington had no idea of "bucking" against any other association in the matter of show dates, but rather to show the friendly and fancier-like spirit of being, at least, *agreeable* to the surroundings. This is the opposite of such thoughts as he expresses, but we are of the belief that they are those of the men who are guiding the destinies of our three show centers of New York, Boston, and Washington. Let us note what three New York papers have to say of the action of the Washington Association in changing its dates; we dare say they will make an outcast of "Nutmeg" and his "Opinions."

The *American Fancier* says:

> Washington has changed her dates to February 15 to 20, so as not to conflict with New York. This is an excellent move and fully expresses the sentiment which the Washington boys have for their New York brethren. It is just what we expected and every true blue fancier should support the Washington show. It would make a glorious wind-up for the season.

The *Poultry Monthly* has this to say:

> The Washington Association have shown the true fancier spirit in changing the dates of their show, so as not to conflict with New York. The dates now set for Washington are February 15-20.

The *Practical Poultryman* says:

> Since New York has set her dates for the first week in February, fanciers in general have been lamenting because they conflict with the Washington dates. This, however, has been obviated by the latter association, for it has kindly changed its dates to February 15-20. This was very considerate on the part of the Washington Association, for the New York Association has little to say when the show shall come off, but rather it must be whenever the Garden Association can best give them a week.
>
> This change makes it rather late for Washington, but in view of the kindly act we are sure they will not lose any patronage by the change.

* * *

"Beginning With Poultry." Mr. T. F. McGrew begins in this number the first instalment of his serial, "Beginning with Poultry." The article was specially written for THE FEATHER, and the illustrations are made from original sketches furnished by the author. Mr. McGrew will contribute regularly to our pages. Our readers have many good things in store for them from his prolific and instructive pen.



CONDUCTED BY J. C. LONG, NEW YORK CITY.

A PRIZE ESSAY.

Construction and General Management of the Pigeon Loft.

BY JAMES LAIRD.

[*Concluded from last month.*]

As a floor covering, various stuffs can be used—seed husks, sawdust, sand, etc. The former gets too dry and dusty, as does the finer sawdust; and, being blown about by the birds—some, you would imagine, take a fiendish delight in making the dust fly—causes great inconvenience to the eyes, of wattled varieties especially. There is a very coarse pitch-pine sawdust to be got that answers admirably; but the best arrangement I have seen is a layer of sand, during the breeding season, on which is placed another of sawdust during the Winter. With Pouters, no covering at all is used, owing to the gorging propensities of the variety, the floor being kept clean by frequent scraping.

In considering the management of a loft, the different phases which the seasons entail make it imperative they should be treated separately, so I will start with the breeding period. During this, all and sundry should not be permitted to enter the loft, for pigeons are timid creatures, and, though they evince no concern at the approach of their regular attendant, the appearance of a stranger irritates and upsets them. The feeding should consist of dari, maples, and tares, with an odd handful, now and then, of maize. Some denounce maize in its entirety, but my experience of it is that it can be freely used at any time, and I know of breeders with any amount of youngsters who use nothing else. Wheat is also recommended, but I would have none of it till I could distinguish between the kiln and natural dried stuff. An odd pick of canary seed is an excellent thing, as not only does it induce the old ones to give their squabs a start, but tames the wild, and gives confidence to the timid. To effect this, throw a little on the floor, and let them come to your hand for more. Green food, such as lettuce, can be given, but no surprise need arise if they never touch it. The water should always be kept sweet and clean, and the fountain or trough scrubbed out frequently. Epsom salts twice a week, and the Douglas mixture once a week, added to the drinking water, will improve the health of the stock, and helps to keep down canker. Grit must be provided, and crockery, smashed fine, will be consumed by them; but, if "Mansfield" is laid down, they ignore the crocks, and shift the latter as if engaged on piecework. Salt is another necessary, and, in preference, the rock lumps. Though sucking squabs are something fresh, sucking old ones are not, for they don't pick this adamantine mass, but take extensive spells at sucking it. Where this can't be got, table salt will do, but it should be put into a cup, damped, and then dried in the oven before being put down. Feeders are a necessary evil, and, wherever practicable, should be kept apart from the breeding stock. They are stronger than the good birds, and secure the best of everything going; besides, the cocks have very elastic ideas of morality. Of the transferring of squabs from one pair to another I don't think I need say anything, as the exigencies of each particular case determine the procedure, and a little observation, mixed with a good dash of common sense, should keep any one from blundering. Frequently squabs go wrong in the nest, and have to be killed, which the thoughtless sometimes do within sight of the old birds. This is rather a dangerous proceeding, for, presuming the other is to meet a similar fate, they frequently desert the nest, and even the box, causing a deal of annoyance to the owner and the whole loft. When the second nest appears, the youngsters of the previous one are turned adrift to shift for themselves, whether they are able or not. If the latter, they must be fed by the attendant, and this is performed by cramming steeped peas down their throat; but it is a slow process, and is painful to the birds, so I prefer mouth-feeding them. Maples are the best grain I know of for this, and, to make the operation easier, they should not be steeped. Just fill your mouth with peas, open the bird's beak with your fingers, and, keeping it open with the tips, insert the peas with your tongue at the side of their beak, taking care to place them atop of their tongue. When they have enough—allowing for peas swelling—give them a drink by putting their heads in the fountain, and another one two to three hours afterward. It takes some trouble to start them, but they soon learn, and open their beaks of their own accord; in fact, I have seen them come marching alongst a table, and shove their heads into my mouth. Once in twenty-four hours is often enough to feed them, gradually giving them less, that they may be induced to do for themselves, which they don't care about attempting. The fastidious may exclaim, "What a dirty practice!" but it is a much cleaner one than ladies kissing an over-fed pug dog, or cuddling an old Tom cat; but be careful of the gases which arise in the crop; they don't smell sweet.

When the showing season arrives, the diet will require an alteration, the dari and maize being dropped, and thick beans added. The nights being long, their crops are empty long ere morning, and a light feed, with an after pick of hemp, about 10 P. M., is both welcomed and beneficial. Plenty of air should be admitted during the day, and, as a tonic, the Douglas mixture put into their water once or twice a week.

During molting Epsom salts should be put in the drinking water every sec-

ond day, and sharp lookout for any "going light." At all seasons we are advised to give them free access to the bath, but it is better to give it at intervals, as, by their avoidance of it, otherwise apparently healthy birds can be spotted. Keep no odd birds in the loft during breeding; don't overcrowd, or spare the limewash; get a rake, and use it, and the half of your troubles are over. —*Fanciers' Gazette.*

The Jacobin.

Richard Woods says of the Jacobin: This is a most remarkable pigeon, and being quite distinct has long been considered very high-class. The "Jack" (as it is sometimes called) is extensively cultivated nowadays, and what is more, its popularity is not confined to any particular district or country. Go where you may, votaries of the Jacobin are to



BLACK JACOBIN.

be met with. The northern parts of Ireland—Belfast especially—have long been strongholds of this breed, vieing with neighboring Scotland and Old Mother England in that healthy rivalry which is so beneficial to the "fancy." Our American and Continental friends also show great partiality for the Jacobin, the reason why not being far to seek, for this pigeon is particularly attractive, possessing in a marked degree a number of very distinct properties, and can moreover be successfully cultivated under a greater variety of climatic conditions than perhaps any other pigeon.

Opinions differ greatly as regards the orthodox size of the Jacobin, some breeders "going for" a large-bodied bird, others for a smaller one, my own opinion being in favor of a bird of medium size, allowance of course being made for the difference of sex, though I must admit that had I to decide between the two birds—the one a large one, the other a small one, the feather properties of each being equal—I should certainly favor the smaller one, providing it showed no signs of that delicacy of constitution which is to be avoided in all varieties.

The mane, too, is a point that has often caused much controversy, some of the present-day fanciers claiming this appendage as of modern introduction, though I am inclined to think the Jacobin of bygone days was similarly adorned, and in this opinion I am supported by some of our oldest breeders, who probably bred Jacobins before many of the more youthful breeders were born.

An Old Remedy.

Elsewhere in this number will be found the ad. of Messrs. Brothers & Co., manufacturers of the well-known remedy for poultry and pigeons. "Dr. Brothers' Poultry and Pigeon Tonic" is not a new and untried preparation, but one that has been used for fifty years and has given excellent results. The inventor, Dr. L. J. Brothers, is one of the oldest and best-known fanciers of poultry and pigeons in the country, and his remedy dates as far back as 1847, when he first used it on his birds. Fanciers and breeders who need a tonic for their birds could do no better than to try this remedy.

An Enjoyable Meet.

Tumbler Judge W. E. Robbinson did his work so satisfactorily to members it was voted to recommend him to any in need of a judge of this variety. Mr. Middleton won first on Black because the bird deserved it. Mr. Middleton also won second on Yellow cock; this bird won at the big Exclusive, prior to its purchase by Mr. Middleton. First and second on Mottle or Rose Wings were next in line and Middleton was at home again with two Yellows. He came in for another series of prizes when the call came for Magpies; first on Black, second on Red, third on Yellow; these were judged by a committee consisting of Brothers Robbinson, Cary, North, and Horsman. The Black was black with white beak, a fine snaky bird, and good style enough to suit the most fastidious. Number two was the best Red Mr. Middleton ever saw; in type this one was equal to the best Blacks shown. Number three, Yellow, bred from a hen presented to Mr. Middleton by Mr. Ingram at the last big Boston show, well entitled to represent the famous strain produced by this fancier. A. T. BERRY, Sec'y.

The Old Dominion.

Editor The Feather:

As announced in the June issue of THE FEATHER, the fanciers of Northern Virginia, in order to foster a close relationship among the breeders of the country and to more thoroughly develop and protect the poultry interests of this section of the State, have organized an association to be known as the Old Dominion Poultry and Pigeon Association of Loudoun County, and have fixed upon Tuesday and Wednesday, November 2d and 3d, as the dates for holding the first annual exhibition. The show will be held at Hamilton, a well-known Summer resort, situated on the W. & O. division of the Southern Railway, about forty miles from Washington City, in the Loudoun Valley, widely known as one of the most picturesque and fertile regions of the Old Dominion.

It was the plan of the association in the beginning to offer a small premium on exhibits, but in view of the large number of special premiums that would be offered, it was decided at a meeting held in July to make the first annual a ribbon show, fully up to date in every particular. It is believed that by adopting this plan the association will be enabled to make a more creditable show and be left on a more substantial financial basis for next season. Fanciers, I am sure, will appreciate this movement and lend the association their hearty co-operation.



R. J. N. REID.

Loudoun County is perhaps taking a more lively interest in pure-bred poultry than any other section of the State. Within a radius of ten or fifteen miles from this town there are no less than thirty or forty enthusiastic fanciers—some engaged in the business for the real pleasure there is in it, and many others for profit. Included in the former class is Mr. Julius A. Truesdell, of the Washington *Evening Star*, and who has model houses and yards at his beautiful country residence on top of the Blue Ridge, near Snickersville. Mr. Truesdell has some fine birds and will make a large exhibit at the show. Then there is A. E. Warner, our president, who worked in some notable surprises at the Washington show last Winter; Hatcher, Kuhlmann, Myers, and many others, well known to readers of THE FEATHER, who are pushing their birds for profit. Our show would be a large one if we did not have an exhibitor from outside the county.

THE FEATHER is a welcome visitor to our section, and is becoming more and more popular with our breeders, several of whom are subscribers to no other journal and say it is not necessary to be since they get it all in THE FEATHER.

I will simply add that our premium catalogue will be ready by September 1st and will be sent postpaid for the asking to any one who wishes to know us more intimately. Fraternally.

R. J. N. REID, Sec'y.

Hamilton, Va.



WINNING FLYERS.

A Quaker City Loft that Has Gained Notoriety on the Wing.

PHILADELPHIA has an established record for its large number of Homing pigeon fanciers. It seems a center for flying pigeons, and almost every one who is interested in the sport either knows or has heard of the Kingston Lofts. These lofts are owned by Mr. Joseph A. Blankemeyer, and are known as one of the largest and most successful lofts of Homing Pigeons in the country. They have an enviable reputation for breeding and flying birds, and it matters not whether the flying is for official records, public, or private messenger service, this strain of birds has demonstrated its grit and sterling homing qualities.

The Kingston Lofts are being refitted with all modern improvements and will shortly have running water, etc. The successes of these lofts have been accomplished through the untiring efforts of Mr. Blankemeyer and his love for and attachment to his feathered pets. It may reasonably be said of him that he is not alone a sportsman in the fancy, but a student of the Homer. He has the level-headed theory that color in the Homer amounts to nothing, and bases his affection and respect for his birds on the ability to fly and fly well. He has no choice in color, one color suits him as well as another, and all he asks of them is to fly. If they do that they meet with his approbation. He has birds in all colors, Blues, Blacks, Reds, Ashes, Bronzes and Splashes. Mr. Blankemeyer was the former owner of Bell Boy, 500 miles, jumped from 209; Loafor, 400 miles, sister to Parrott, 400 miles; Sky Lark, 400 miles; Nettie F., 510 miles, winning second honors, and Boston, the well-known messenger of the palace steamer "Republic."

Among the record birds to be found in these lofts are the following: Champion Punch, the champion sea-messenger of the United States, both for speed and distance, having best speed 200 miles in 197 minutes, just a trifle over sixty miles an hour, carrying important messages from the United States cruiser "New York," at sea, approaching Norfolk, Va. The message was delivered in Philadelphia a little earlier than the vessel was sighted off Norfolk and a day earlier than the telegram which gave the advice of arrival. Greatest distance out from shore, 300 miles, besides fifty miles of land to cross over New Jersey before reaching home. Black Joe, 560 miles in 1893, 540 miles in 1894, and 560 miles in 1895, winning first honors. Anna, 540 miles in 1894 (winning 400 mile race) and 508 in 1895. Fidelio, 540 and 508 miles. Speedaway, 560 miles. The nest mates Ruby (540 miles, also 400 miles as a youngster) and Jewel 508 miles. Celerity, 540 miles in 1894, 508 in 1895. Hayes Jr., 500 miles twice, average speed from 103 miles, 1,400 yards, from 210 miles, 1,317 yards per minute. Jonah, 508 miles, also used as a sea-messenger, being liberated one hundred miles off the coast from the school ship "Saratoga." St. Hughes, 508 miles. Doubtful, 500 miles, average speed from 103 miles, 1,551 yards, and from 210 miles, 1,305 yards per minute. Miss Marlowe, 540 miles. Dabster, 540 and 508 miles. Carlton, 508 miles. Teaser, 540 miles, also 210 miles when but twelve weeks old. Git Thar, 508 miles as a youngster. Flyto, 400 miles three times. Musette and Bluette, with the remarkable performance of 400 miles, when but five months old; Musette winning second honors. Florence, 400 miles. Parrott, 400 miles. Masher, 400 miles. Ethel, 400 miles. Bon Ton, 400 miles as a youngster. Minnie Hawke, 400 miles. Black Diamond, 400 miles, and last but not least, Posart, 210 miles. The latter bird is sire of Fidelio, Dabster, Git Thar, and many others with records of 500 miles or more; he is also sire of the Pulitzer prize-winner Nelse Junes, and the ex-champion 250-miler Watrous.

The York District.

The 500-mile record for York City and county was broken Thursday, July 1st, by John A. Allison, under the rules of the National Federation of American Homing Pigeon Fanciers, when two of his birds returned the same day from Abbeville, S. C., an air-line distance of 505 miles. This is a very creditable performance for Mr. Allison's birds, as the former record for this district was a day and a half, established several weeks ago by the Pioneer Club.

The birds were liberated July 1st, at 5:20 o'clock, by C. V. Hammond, with a strong southwest wind and a clear sky at the start and partially clear at home with the same wind.

The first bird to arrive was a Black Check cock, "McKinley," registered F. 30,540; time of arrival 6:13 o'clock. He is bred from an importation of the Van Duernick strain, Belgium, and flew 412 miles in '96, homing early the next morning, and flew all the races this year and was never out over night. He won second diploma from 400 miles and first diploma from this station. His average speed for this flight is 1,150 yards per minute, which is probably the best time made by any district, and he is, therefore, a close competitor for the national blue ribbon diploma for speed. The second bird to arrive was "Charlotte," a Blue hen, registered T35,191; time of arrival 6:55 o'clock. She flew 205 miles as a youngster in '96, and all the races this year, never being out over night. She won first diploma from 400 miles and second diploma from this distance. Her average speed for this distance is 1,090 yards per minute. Mr. Allison reported the return of his Blue (Splash) cock, "Old Joe," registered T35,193, early the next morning. This bird holds the third best time made to a York loft from this distance, beating the established record by several hours. On the third day Mr. Allison had his Black Check hen, "Sadie J.," registered T55,200, return from this station. On July 5th he reported two returns; one was his Blue cock, "Independence," registered T53,800, and the other his Red Check cock, "Weitzel," registered J. A. A. 1,082.

Out of the ten birds entered in this race Mr. Allison has reported the return of six birds and his are the only birds home in the district. The excellent wind which prevailed this day, both at home and at the start, had much to do with breaking the record and it may be several years before it can be done again. Mr. Allison wins nine of the ten diplomas offered by the district this Spring.

T. BAND.

The Metropolitan Concourse Race.

The liberation of the annual Metropolitan Concourse race, engaging the following five districts, Manhattan, 56 birds; Essex, 36; Staten Island, 7; Hudson, 18, and Union, 13; total 130 birds, was effected 4:45 A. M., Saturday, July 3d, at Belton, S. C., 633 miles distance, by B. A. Willson, Esq. The weather conditions, as reported by the Weather Bureau at Washington, D. C., were continuously clear with south and southeast winds over the entire course. There were no returns until the third day, Monday, July 5th. They were as follows:

Owner	In loft	Speed
Chas. Cupitt	7:49.15 A. M.	356.87 yards
Chas. Rothacker	11:16.50 "	334.17 "
Thomas J. Clarke	2:30.40 P. M.	321.89 "
Eli Moreton	2:05.02 "	317.94 "
Wm. H. Winter	2:42.29 "	309.33 "
Adolph Busch	6:10 "	269.85 "
Eli Moreton	6:40.14 "	268.39 "

The grand banquet of the six districts comprising this organization, at which the prizes for this race were awarded, was held August 12th.

GEO. BROWN, JR., Sec'y.



"

B. C. Thornton,
SOUTH VINELAND, N. J.

"

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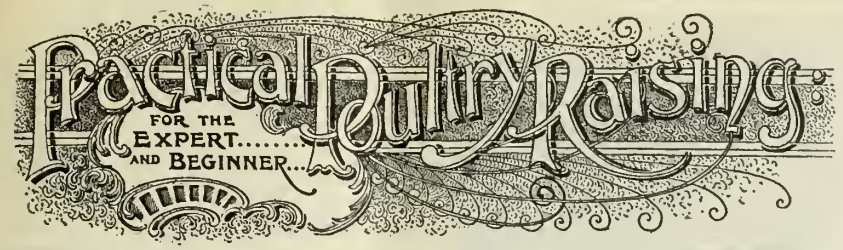
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The Editor will be assisted in conducting this department by Messrs. Philander Williams, James Rankin, and T. F. McGrew. All are invited to contribute to these columns. Questions will receive prompt and considerate answers.

Looking Backward.

Editor The Feather:

In these days of advanced science and the gold craze of the frozen North, we seem to stop, methinks, and call, "About face!" and by a careful retrospection see if we are not, in our haste for wealth and honor, forgetting some of those axioms on which all of our actions should be based to insure success.

We travel back in memory to those good old days in the seventies, days when such names as those of Burnam, Stoddard, Williams, Corbiet, Wright, Ferries, etc., were taking long strides toward the top of poultry science and culture, knowing that while there was only room at the top for a few, there were several tiers below where there was plenty of elbow space and that it was only at the bottom there was a struggling crowd.

We find one and all urging brother breeders to live more with their fowls if they would find success. Look closely for lice, and colds, caused by a draft through the hennery, and that later on, if not checked, would result in roup. We find those days full of just such instruction and counsel as we find in all the papers of to-day. Who, as he recalls the fine cage of Light Brahmas presented by Geo. P. Burnam to the Queen of England, does not but feel that we are improving much on that breed. But when we recall those early Plymouth Rocks we see how close attention to mating and care has given us the fine birds of to-day. We can well remember our first purchase of our Barred friends; how little we knew then what we should have gotten for our twenty dollars given for a trio. The cockerel was very light, and might have been more reasonably mated with our White Rocks of to-day, than to have been mated to dark-barred pullets for barred offspring.

We thus find that through all these ups and downs we come to this year of 1897 with some things still perplexing us, as then; we have overcome some of them and have greatly improved methods for overcoming others. Some still find it quite difficult to raise chicks, but if the right course is taken there will be no trouble experienced in that line.

Do not remove chicks from nest or incubator, nor give them any food for twenty-four hours after they are hatched, as nature has provided them, in the absorption of the yolk, with all they need for the first twenty-four hours after they come from the shell. Now take the chicks from incubator or nest, put them in the brooder or coop, which should have been provided for them. The brooder or coop should have a movable bottom to facilitate cleaning. The first feed should be steel-cut oats (oatmeal) or corn bread, dried in the oven and moistened with milk. Right here I would say milk is one of the finest helps in raising young chicks. I have found and believe that it fully pays to furnish it for chicks. As they grow older, change their feed, giving them millet seed, wheat, cracked corn, fine chopped onions, and vegetables of all kinds. Give them a variety as much as possible; they will eat and thrive better. An occasional meal two or three times a week of cornmeal, bran, oatmeal (with hulls sifted out), equal parts mixed together and moistened with milk, is an excellent food which gives the material for making bone and muscle. Keep small grit and charcoal before them all the time, with an occasional small feed of green cut bone. It is better for them than any of the foods found on the market; it strengthens the digestive organs and lays the foundation for vigorous, healthy fowls.

Do not let the little chicks run out when the grass is wet. When it is cool, provide sunshine; when hot, provide shade. See that they are free from lice. Watch closely all these things, and remove weak and sickly birds to a separate brooder as soon as discovered, and you will have plenty of exercise for muscle and brain, and in the end a well-filled pocket-book.

Harvey, Ill. FRANK MARSHALL.

In Honolulu.

Editor The Feather:

The poultry industry in Honolulu is larger than is generally supposed, and the introduction of incubators and brooders has been a temptation to many to embark in the business. More would invest their money in incubators, but for the fact that in conducting a chicken ranch, time and patience are required. But the result justifies it all. A chicken raised in a brooder is fatter and better than those "grown wild" by Chinese peddlers, consequently, they bring a better price in the market. In the suburbs of Honolulu, where the size of lots will permit a good forage range, a number of gentlemen have incubators and brooders for the purpose of raising poultry for their own use. And there are others who find pleasure and profit in the business of raising chickens by this artificial process for the market.

One gentleman has at his Punahou property a large part of his lot devoted to the purpose of chicken raising. He has several incubators, each holding 120 eggs, which he purchases from the owners of the best stock in the city. By keeping the eggs at an even temperature they are hatched in the same time as by the natural way, and as the little chicks make their appearance they are transferred to a brooder, where they are kept until they are strong enough to pick in the sand and take care, that is, ordinary care, of themselves. In brooder No. 1, recently this gentleman had eighty-seven active, healthy-looking birds. By the aid of brooders the little ones are kept as comfortable as if they were under a mother hen's wing. From this place they are transferred to No. 2, which consists of a house ten by ten with a run of the same dimensions attached. The run is covered with loose soil, in which the chicks dust themselves exactly as old chickens do.

During the first few weeks the chickens are fed regularly five times a day on combination cereal food, chopped beef and lettuce. When they grow so large as to become dangerous to smaller birds, they are put in brooder No. 3, and kept until they are three months old. This is the same in every particular as No. 2, well ventilated, but kept warm enough at night to keep the birds from taking cold. Their diet is almost the same as that of the younger birds, and when they are taken out at the end of three months they are as fat as partridges. From this time until they are killed they have the freedom of a well-watered lot 400x200 feet, and, notwithstanding the great care given them, they prove just as good foragers as birds raised by the hen.

It is said that the percentage of failures in brooder-raised chickens here is very small. If the temperature of brooder No. 1 is kept right, there is little danger of weak-legged chickens. In the 347 young chickens in these brooders but three were to be found whose legs were in any way affected, and these had been so since they were hatched.

The same success is not met with in the case of raising turkeys. It has been tried here, but not more than fifty per cent. of the eggs put in the incubator have hatched. HAWAIIAN.

On a Larger Scale.

Editor The Feather:

No farm is complete without poultry. Finding they paid so well from raising them on a small scale, I have engaged with a brother-in-law residing in Kansas City to raise poultry extensively. We have added a fine lot of Pekin Ducks, procured the eggs of the purest strains that could be obtained from the following duck ranches: Mr. H. E. Moss, of Edge Wood, Kansas City (the Rankin strain); Mr. Charles E. Newman, Bay View Poultry Farm, New York, and Pollard's Poultry Farm, Mass. We have 150 ducks ranging in age from a few weeks to fourteen weeks, and they are very fine specimens to start with. I have had several years' experience with chickens, but in adding the beautiful White Pekin Ducks, the business will grow more interesting. We have a love for the business. We will erect buildings this Fall, and prepare to raise ducklings for the early market. We wish to enlarge our plant, so as to be able to raise them by the thousands. We hope to devote most of our time to this work and gradually develop it into an extensive and profitable business. We do not expect to derive our living entirely from this source, but to turn everything in our line to a profit. We have a large flock of chickens with unlimited range, which will keep up the egg supply, and as a side line we will raise broilers. We will use home-made incubators built by my partner, J. W. Hill, of Kansas City, where I have one now in operation, and when I tell you I had an eighty-five per cent. hatch for my first, you will, perhaps, hardly credit me, and I never operated one before. The chicks were not the little weaklings I sometimes read of in our poultry journals; on the contrary, they were very bright; they ate before they were twenty-four hours old.

They seemed wide awake, and when I put them on the ground it was amusing to see them scratch. Of these I have lost a very small per cent.; they are growing nicely for the time of year they were put off (June). They were most all hatched out on the twentieth day of incubation. I did not roast them during incubation, neither were they chilled, but I kept the thermometers as near 100 degrees as was possible—no lower—for two weeks; then it stood at 102 degrees and 103 degrees the remainder of the time. I needed no moisture before the third day prior to hatching, so perfectly did all things work together.

I find the poultry raiser soon acquires the ability to quickly determine causes and results. That forms the essential part, and to be successful and prosperous there is no end to work. It is the little things that form the greater.

I trust this short letter will be only a beginning. I hope to see your poultry paper flourish, and if our business proves a success, I hope to be able to write a more interesting letter, telling you what we have done, instead of what we are going to do. Wishing you success,

Yours for prosperity,

MRS. A. W. HILL.

Burlington, Kans.

Scratching Sheds.

Editor The Feather:

I am glad to see that you have begun a practical department in THE FEATHER, and feel quite sure that it will be of untold benefit to your many readers. I began keeping poultry two years ago and find it very profitable; it is also a great pleasure to me to be with my chickens, and gives me the recreation I need so much. I enclose you two photographs, which I borrowed from a friend, and



FIG. 1.

think they will interest your readers. Fig. 1, is the henhouse and scratching-shed combined, and Fig. 2, is another idea of his scratching-sheds, with glass front.

I am a great believer in this kind of arrangement for poultry-houses and scratching-sheds, and am convinced that it will more than pay for the cost in two years. When Winter is with us the poor hen must have some sort of protection from the cold winds, rains, and snows, and nothing better can be devised than the scratching-shed. The fowls do not thrive so well when they are confined in the henhouse, but if they are provided with an open, cheerful enclosure where they are protected from the inclemency of the weather, they will be perfectly happy and will give good returns in eggs. The two suggestions of scratching-sheds here shown fully convince me that all of us could have these necessities without a great deal of cost. It is not necessary that they

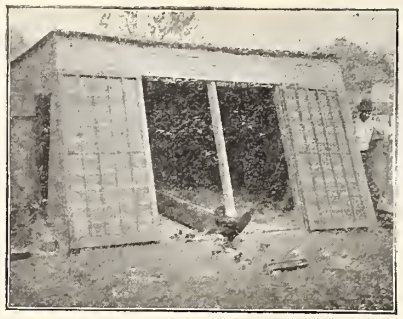


FIG. 2.

should be expensively built, but most any old shed will do, if the cracks are covered over to prevent drafts. If you have a large shed on your place, it would be better to use one-half of it for a henhouse and the other half for a scratching-shed than to use the whole for a poultry-house alone. The front of the shed should be almost entirely open, making it bright and cheerful with plenty of fresh air, when the weather is good. The openings in the front should be provided with glass windows, as shown in Fig. 2, that may be closed on damp, cold days. The openings in front of Fig. 1, have curtains that roll up and down. These curtains are very cheap and are made of heavy unbleached cotton, coated with linseed oil. Such curtains afford ample protection from the weather, besides giving all the light necessary inside of shed. I think nothing is so good for the birds as these sheds; they are tonics to them. Provide such a shed for your birds, cover the floor of the shed with straw or leaves a foot thick, scatter the grain food in this and see if you do not get better results in eggs than you did without them.

With success to THE FEATHER,

Yours Truly,

WEST END.

Practical Tips.

Editor The Feather:

The most important duty for August and September will be to rid all the poultry coops and houses of the greatest of all pests, the chicken louse. The hen louse is everywhere the hen goes and causes more discomfort and disease than any other one trouble. Get rid of them and their germs prior to the molting season. Don't do it by halves, but altogether, one big effort and it is done.

Hen cholera is now at work whenever the opportunity offers. It looks out for the weak, debilitated subjects for its first attack, then it spreads from one to the other till all begin to feel its destructive attack. The best remedy is prevention; the only prevention is positive sanitary conditions, good, wholesome food and plenty of clean, fresh water. This is a disease that comes by contagion. Don't let it come. Feed so carefully and keep so very clean about your yards it cannot have the chance to get in.

The very damp season is showing its effect on young stock, and old as well, in the way of that dire destroyer, roup. Look sharply for its first appearance in the way of running at the eyes and sneezing. Don't let it get the start of you, but drive it out before Winter comes. Should a real case of roup get hold of your fowls don't try to cure it unless it attacks a valuable specimen. Kill and burn. The hatchet is the best cure for roup.

McG.

Molting Early.

Editor The Feather:

We are desirous of having some Plymouth Rock hens and cocks for early exhibition, and would like to have them molt out early and get their new plumage not later than the 20th of August. Would you kindly state what course to pursue to obtain the above results? Kindly state the cause of young ducks in eggs not absorbing the yolk, and seem to linger two or three days in the shell past their time and then die. I had a great many to go that way this season.

I received your paper for April and May and am very much pleased with it.

Yours Truly,

Hamilton, Ont. W. G. FREEMAN.

1. We doubt very much your being able to have your Plymouth Rocks molt and get in good feather by the 20th of August. Hens that have been laying all Summer are naturally thin in flesh, and no hen will molt early that is not in good flesh. We would advise feeding quite heavily of fattening food from now on.

2. In case eggs fail to hatch promptly on time it is generally conceded that either the eggs were too old, or that, if under a hen, she had been off too long and the eggs got chilled; if in incubators, the machine was not run properly; yet there are seasons when chickens and ducks die in the shell and just why no one, as yet, has been able to say.

Oyster Shells and Grit.

The shell of an egg contains about fifty grains of the salts of lime, or about twenty grains of pure uncombined lime, besides the lime that is in the mineral matter of the white and yolk. The quality of the shell should be considered when feeding, by selecting those foods which are richest in lime. To produce the shell of one egg there is needed one hundred grains of lime.

Repeated experiments have proven that oyster shells are not a necessity for shell material, but at the same time valuable as grit. The feeding of oyster shells during the laying period is to be recommended. One pound of crushed oyster shell contains lime enough for about seven dozen eggs. Fine gravel containing limestone will probably as well supply the deficiency of lime existing in most foods, but the use of the sharper grits with it may be well.

Long or sharp splinters of glass or dry bone should be avoided in the grit furnished. The size of the particles of grit had better be larger than a kernel of wheat and smaller than a kernel of corn. An unlimited supply of well-powdered glass has been found to produce no bad results where the food and the grit accessible to the fowls contain an abundance of lime; but where the food is deficient in lime, and no other grit is obtainable, hens eat an injuriously large quantity of glass. There should always be an abundance of grit within easy reach of the fowls; a deficiency will retard the digestion and weaken the constitution.

Exercise.

Too much emphasis cannot be given to this consideration. Make your hens scratch and work, if you do not want them over-fat or to die on the roost from apoplexy. The best methods of giving exercise are by scattering the food, and burying it in the litter on the floor. While egg-producing fowls may be fed from the hand, as it were, exercise will be far more satisfactory in the end. Good digestion is an important factor in egg producing, and exercise promotes digestion.

When writing our advertisers always mention THE FEATHER.

THE BUSINESS WORLD

As Viewed From the Columns of The Feather.

A FINE BIRD.

We present a half-tone engraving made from a photograph of a bird belonging to a customer of F. H. Wood, Dryden, N. Y., and hatched from eggs purchased of him in April, 1896. When the photograph was taken it was an extremely hot day, which caused the bird to hold his mouth open, and also hold his wings slightly out from his body. He was also rough in plumage, having been allowed to run with the hens. When in full plumage, this cock has a large and abundant tail, and the manner in which he carries it is a great point. The sickles are long and beautifully curved, coverts are very numerous, and the saddle is luxuriant. In plumage he is fine throughout. He is a rangy fellow, with long body and back, and nice length of legs. Mr. Wood is the originator of the "Royal" strain of Black Minorcas.

A HIGH COMPLIMENT.

Mr. Fred. B. Cochran, the well-known poultry expert, writes of Mica-Crystal Grit as follows:

"Mica-Crystal Grit is made from a rock of peculiar formation, composed partly of quartz, which is the hardest of rock substances, and partly of mica, which is a flaky substance. These two substances are piled in countless layers, one upon the other, thus forming what is termed a flaky or friable rock, by which is meant a rock, which, when subjected to pressure, will scale or flake; the sharp particles of quartz are, as it were, imbedded in mica, so that the rotary motion of the contents of the gizzard, in bringing the different pieces of grit in contact with each other, causes small particles to flake off, thus constantly resharpening themselves until they are entirely used up.

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"The iron in Mica-Crystal Grit is practically all contained in the mica, and is in its purest and best form, and I have yet to find the practical poultryman who has failed to observe its beneficial effects on his birds, young or old.

"I have no doubt the lime and magnesium both contribute their share to the welfare of the flock, although my researches in this line will not allow me to positively state their effects."



Barred P. Rock feathers from fifteen birds, three winners of first prizes. The two short Brown Leghorn feathers are from saddle of cock, first New York, 1897. The long feather from hackle.



A "ROYAL STRAIN" BLACK MINORCA COCKEREL.

A RELIABLE BREEDER.

Mr. W. W. Kulp, Pottstown, Pa., is an experienced and reliable breeder of Leghorns, Plymouth Rocks, Wyandots, and other varieties of thoroughbred poultry. The illustration shows a number of feathers of his Barred Plymouth Rocks. In this variety he has a strain of large size and great laying qualities, and which has produced a number of first-prize winners. Mr. Kulp is one of our regular advertisers, and we are confident that purchasers of stock and eggs from him will find him a man to be relied upon.

GREEN BONE CUTTERS OFFERED FREE AS PREMIUMS.

That pioneer poultry paper of the country, the *American Poultry Journal*, of Chicago, Ill., recognizing the needs of poultrymen, publishes in August issue a premium offer of green bone cutters. The principal green bone cutters of the country, of different sizes and price, are offered as premiums for subscriptions, and include Mann's, New Premier, Dandy, Ideal, Daisy and Crown, Webster and Hannum, Archemedian and Standard. Send for free sample copy of *American Poultry Journal* for full information how to get a bone cutter free.

HE BREEDS BLACK LANGSHANS.

Mr. C. A. Brown, Brockton, Mass., has some very nice stock, and has devoted several years to breeding birds that are fully up to the requirements of the Standard, and which still retain the great laying qualities which the lordly Langshan possesses. Mr. Brown raised 150 chicks the past season, and as he uses old stock for breeding, has some fine birds for sale, both male and female. He keeps nothing but Langshans and spares neither time nor expense in caring for and rearing them. He has shown but twice at the local fair, where he won 1st and 2d on pairs in 1895, and 1st on pen in 1896. He is determined to breed as fine as the country holds and has been working with that view ever since he started in the business.

SEND FOR IT NOW.

Mr. Edward S. Schmid, of this city, has just issued the third edition, revised and enlarged, of his mammoth catalogue. It is 106 pages with cover, and contains 250 illustrations. It is printed on calendered paper, and is bound in blue coated paper. Every department of his Emporium of Pets is carefully shown at great length. The first chapter is devoted to canaries and cage birds. Each variety of birds is described with care, the habits, diseases, and feeding, together with suitable caging, is told in full. The chapter on parrots is very valuable and will prove of much interest to all lovers of these birds. Aquaria and supplies follow with an elaborate description of the aquarium, the care and management and the various kinds of fish and plants. The chapter is complete in itself to aquarists. The pet stock department treats of dogs and dog diseases, together with all kinds of supplies, as combs, brushes, harness, muzzles, leads, bells, whips, etc. The characteristics of each breed of dogs are given, with their points of excellence as known to the expert breeder. Cats are included in this department, a splendid description of the popular Angora is nicely given. Much space is devoted to rabbits, their care and diseases; guinea pigs, squirrels, and ferrets, white rats and mice, monkeys, and chameleons. The pigeon department follows that of pet stock. The varieties of pigeons are shown and their diseases are given in full. The last chapter is given to poultry raising and incubation. There are books sold for twenty-five cents that do not contain as much information as this chapter alone. Things of interest to the practical poultryman as well as the fancier are told in this department. As a whole, it is safe to say that such a book has never been published before and any one interested in pets cannot well afford to be without it. This handbook formerly sold for ten cents a copy, but for the next thirty days Mr. Schmid offers it free to all readers of THE FEATHER who will write him and mention our paper.

CHANGE OF ADDRESS.

We would call the attention of our readers to the change of address of the Star Incubator Company, formerly of Allentown, Pa. This company is now building a factory, which will be completed by October 1st, at Lincoln, N. J.

ROCHESTER'S BANNER SHOW.

Fanciers, ahoy! We are not dead, but have only been sleeping. Our smoke has cleared away and it looks very bright over the horizon. Did you read the reports of the Rochester shows? The report that we have busted is all idle talk, as the following additions to our membership show: Geo. Dennison, Ferd. Roser, W. C. Hauser, W. Boehle, W. and A. H. Ingle, and Chas. Read. It is desired to still further increase the same, as all true fanciers are welcome; no drones need apply. Our object is to advance and not retard the progress of the fancy, which we shall again demonstrate at our coming show, December 20-27. Fitzhugh Hall is engaged for the purpose, and the following gentlemen will sign the score cards: F. B. Zimmer, J. H. Drevenstedt, and Irving Crocker. The severe thunderstorm throughout this section July 5th that moistened the glory of the celebration, awoke to action the members of the Rochester Fanciers' Club. J. F. TALLINGER, Sec'y.

LYNNHURST POULTRY YARDS, Glassboro, N. J.

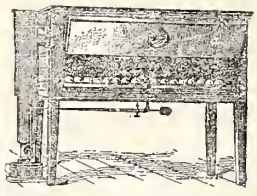
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At Washington, '97, in red-hot competition of ninety birds, we won 1st cock, 1st hen, 1st and 5th pullets, 3d breeding yard. Only exhibitor winning more than one first prize. At Washington, '96, we won on five entries 1st and 2d hens, 2d cockerel, 4th pullet and highest scoring bird in class. Our breeding pens are composed of birds of the same high average merit. Large size, great style, vigorous and healthy, fine plumage. Eggs from prize winners, $2.00 per 15.

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If you have any doubt of the "Hot Stuff" we breed, look up our winnings at the best shows in America: Mt. Gretna, Pa., 1896; Hagerstown, Md., 1896; West Chester, Pa. 1896; New York, Madison Square Garden, 1896 and 1897; Washington, D. C., 1897.

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BARRED PLYMOUTH ROCKS—Our stock has been noted for years for its deep, rich, clear, zebra barring, so beautiful in the show room, and much sought after for the breeding yard; and we have youngsters coming on of rare beauty in great profusion. Prices to suit all. F. J. MARSHALL, Asheville, N. C.

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FREDERICK E. COLEMAN, Box 22 A, Manchester Green, Conn., breeder Barred Plymouth Rocks. Eggs and chicks for sale. The Feather one year free with every $2.00 order. Mention The Feather and send for free circular.

BUFF PLYMOUTH ROCKS EXCLUSIVELY Winners at Chicago. Clean sweep at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

BUFF P. ROCKS—If you want stock that is sure prize winners, try my eggs, $2.00 per 13; $4.00 per 30. No better in the United States. Insure good hatch. Square dealing. JAS. S. WARNE, Washington, N. J.

MILLER'S White and Barred Rocks are sure winners. Eggs, $2.00 per 13. One White Rock cockerel for sale, price $5.00; score 91. Address B. D. MILLER, Box 52, Providence, R. I.

CLOVER POULTRY FARM, L. F. Giering, Bethlehem, Pa., breeder of thoroughbred B. P. Rocks, S. C. B. Leghorns, Golden Sebright Bantams. Birds have unlimited range of a large farm. No eggs shipped over three days old. $1.00 per 13. Circular free.

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MARBURGER'S BARRED ROCKS—Exhibited this season at Mt. Gretna only. Won the principal prizes, including 1st cock and 1st cockerel. A few good breeders for sale yet. After April 15th I will sell 40 hens and 5 cocks at half price. A. W. MARBURGER, Lock Box 19, Denver, Pa.

DENNY'S Buff Rocks are not behind the times, as their record at the great Rochester show will prove. More 1sts and 2ds at this great show than any other exhibitor; also two out of three color premiums offered. Yearling breeders for sale. WM. C. DENNY, Rochester, N. Y.

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OUR SPECIALTY, White and Buff Leghorns; also Buff and W. P. Rocks, Lt. Brahmas, Blue Andalusians, G. P. Hamburgs, Red Caps. Eggs, $1.50 per 13. B. Leghorns, Black Minorcas, S. S. Hamburgs, White and Silver Wyandots, $1 per 13. Many of them winners in good company. HAMME BROS., Smith's Station, York Co., Pa.

CEDAR HILL POULTRY FARM—Write to Cedar Hill Fruit and Poultry Farm for prices on Single Comb Brown Leghorn, Barred P. Rock and Buff Cochin fowls and eggs. Some fine surplus cockerels of first-named breeds for sale low. Eggs for incubator use, $5 per 100; good common eggs (large breeds), $2 per 100. R. S. COLE, Harmans, Md.

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YEARLING—S. C. White and Buff Leghorns, Dark Brahmas and Barred Plymouth Rocks for sale at 75 cents each; nice, large, healthy pure-bred fowls, all noted strains, such as Knapp's, Arnold's, William's and Lambert's. Stock not satisfactory can be returned and money refunded less express charges. Send forth your order at once. H. S. CHRIST, Pine Grove, Pa.

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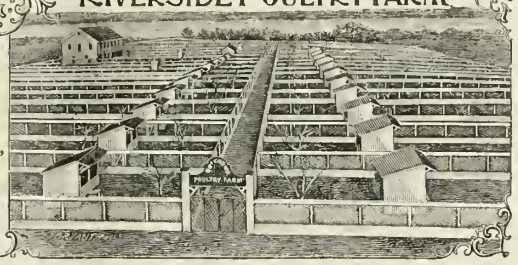
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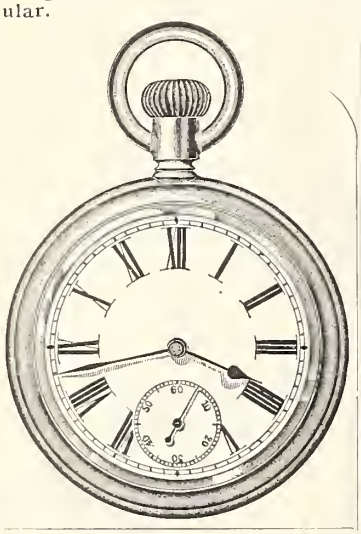
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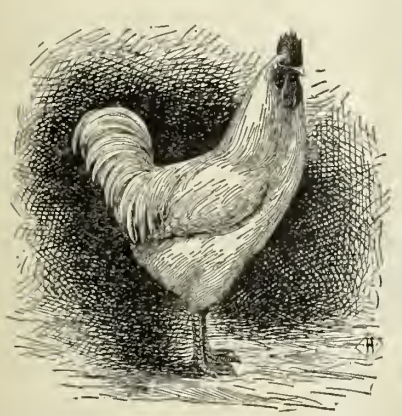
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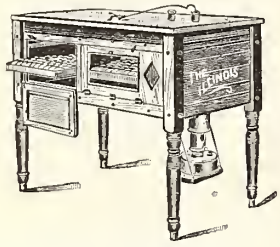
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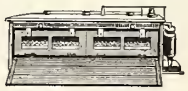
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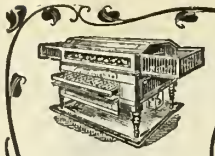
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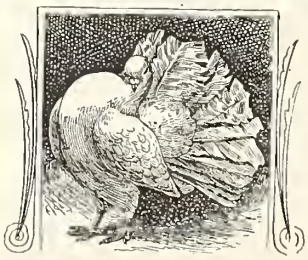




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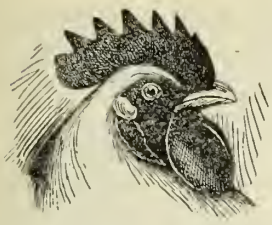
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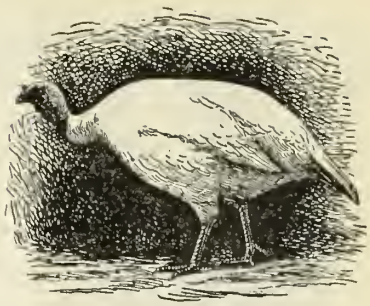
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WINNERS AT AMERICA'S LEADING SHOWS.

At Hagerstown, 1896, won 1st and 5th cockerels, 1st pullet and 2d oen; at New York, 1896-97, won 1st and 2d pullets; at Washington, D. C.,, 1897, won 1st cockerel, 1st and 2d hens, 1st and 2d pullets, 1st pen, 2d Pekin drake, 2d Pekin duck and two specials.

Also breeder of Bronze Turkeys, Pekin Ducks and Lop-eared Rabbits.

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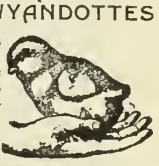
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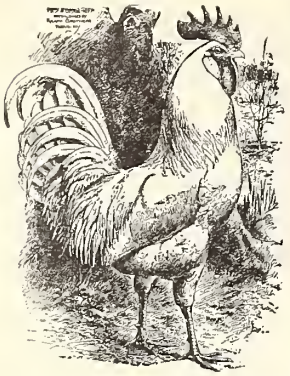
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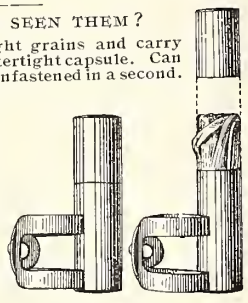
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Bicknell & Whiting offer the following: 2 Indian Game cockerels, $8.00 each; 4 pullets, $5.00 each; way up in weight and scoring points. 6 Black Java cockerels, 9½ pounds each, high scorers, $5.00 to $8.00 each; pullets, $5.00 each. Minorca cockerels, $8.00 each and upward, full weight; pullets, cheap to close out all but breeding stock. 2 pairs Black Cochin Bants, $15.00 each, first class. 1 pair White Cochins, good ones, $15.00. Eggs from our best matings of the above, also Andalusians and Barred P. Rocks, Cochins and Cochin Bants, $5.00 a setting, 26 for $8.00; from all others, $3.00 for 13, $5.00 for 26.

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On Barred P. Rocks I won 1st and 4th cockerels, 1st pen, 2d cock, 2d hen, and Society's Special for the five best Barred P. Rocks in the show.

This was won in a class of 15 cocks, 35 cockerels, 22 hens, 42 pullets, and 9 pens.

At Rockville, Md., near Washington. D. C.—1st pen fowls, 1st hen, 2d cock, 2d cockerel.

I have a fine lot of cockerels that will win in very warm company.

Write me for prices on these birds.

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Fifty Brown and Buff Leghorn hens from our breeding yards of 1897. A rare opportunity to get first-class breeders at $2.00 each in lots of five or more. First come, first served.

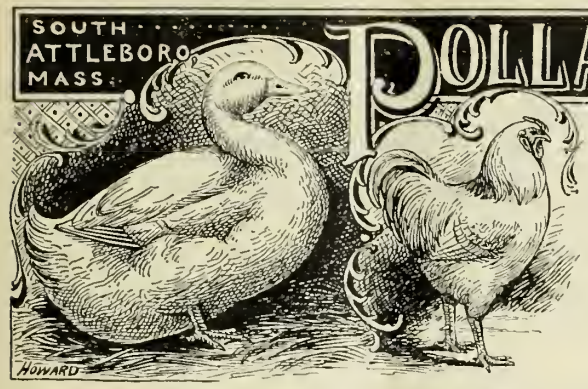
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OUR VICTORIES CAUSE OUR

BLUE BARRED ROCKS ..

TO CROW LOUD AND LONG.

See our show records at West Chester, Pa., 1895 and '96; at Hagerstown, 1894, '95 and '96, and we believe you will agree with us. Write for wants and enclose two-cent stamp for reply to

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Bronze Turkeys, Hong Kong Geese, Pekin Ducks, Leghorns, and Beagle Hounds a specialty.

Ducks, $3.50 a trio, that can't be duplicated elsewhere at less than $5.00. Beagle Hounds, $3.00 to $9.00 a pair, that can't be beat at any price. They take to the trail like dux to the water. Correspondence solicited, and references exchanged when desired.

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Single Combed White and Brown Leghorns,
Barred Plymouth Rocks and Silver Spangled Hamburgs.

Some birds scoring as high as 97 points.

Eggs for hatching, $2.00 per setting of 15; 3 settings for $5.00. Stock for sale at all times.

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Breeder of Bearded Golden Polish, Buff Laced Polish, White Crested Black Polish, Bearded Silver Polish, White Crested White Polish, White Wyandots, Black Minorcas, White Leghorns, Golden and Silver Sebright Bantams.

From forty-one birds entered at the Washington Show, 1897, forty birds were prize winners. These birds are all now in our breeding yards. No finer stock in the United States. Eggs, $3.00 per setting 13 eggs. Stock for sale November 1st. Address

H. A. MUNSON, 1524 T St., N. W., Washington, D. C.

Arnold's Buff Leghorns

Winners of hundreds of prizes in England, Germany, Africa, New Zealand, Canada and the United States.

EGGS AT LOW RATES for the balance of the season. This variety can be raised as late as September, as they grow up and mature very quickly.

A LOT OF YEARLING HENS FOR SALE We will sell a lot of yearling hens in lots to suit at **a surprisingly low figure,** if taken at once. Now is your chance to buy good breeders at one-fourth the price you will have to pay for them in the Fall and Spring.

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Still hold the lead, defeating as they did last year all other competitors at New York (America's best show), winning **Buff Leghorn Club's cup for best exhibit,** also **4th cock** in a class of 7 birds, **1st, 2d and 3d hens** in a class of 18, **1st and 3d cockerels** in a class of 23, **3d and 5th pullets** in a class of 19, **2d and 5th pens** in a class of 7. **BEST OF ALL,** 2 specials out of 3 given for best color hen and cockerel, also 6 gold specials. 300 birds for sale. No eggs for hatching.

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THE FEATHER WITHOUT COST

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Nearly every one interested in poultry is already taking one or more agricultural or poultry papers. These can be clubbed with THE FEATHER in such a way that our magazine may be secured immediately and without extra expense.

Any one who is now taking or who is going to take one of the papers mentioned below, costing one dollar or more, can by subscribing to THE FEATHER have the subscription price of our magazine deducted from this subscription to the other paper, *thus getting both papers for the price of one.*

Any one now taking or who is going to take two of the fifty-cent papers mentioned below can by subscribing to THE FEATHER have the subscription price of our magazine deducted from the subscription price of the other papers, *thus getting three papers for the price of two.*

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We will send you THE FEATHER and any one of these papers both for one year for sixty cents; or

We will send you THE FEATHER for six months, together with any one of these papers, for one year for fifty cents:

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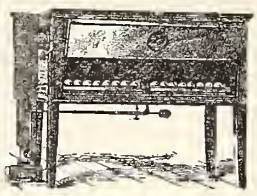
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THE FEATHER will continue to improve with each number and subscriptions should be commenced at once, as you will want the volume for 1897 complete and back numbers are difficult to obtain.

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If you have any doubt of the "Hot Stuff" we breed, look up our winnings at the best shows in America: Mt. Gretna, Pa., 1896; Hagerstown, Md., 1896; West Chester, Pa. 1896; New York, Madison Square Garden, 1896 and 1897; Washington, D. C., 1897.

Stock for sale.
Eggs in season, $5.00 per 13.

A. P. INGRAM, Jr.,

Breeder of full-feathered

American Buff Cochins and Buff Plymouth Rocks

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LOOK UP OUR RECORD AT ALL THE BIG SHOWS.

At Mt. Gretna, Pa., 1896, we won on our Darks 2d Cock, 1st Cockerel, 1st and 2d Hens, 1st Pullet, 1st Pen. Gold special for best five Brahmas in the show, any variety. Look up our winnings at Newburg, N. Y., and Hagerstown, Md.

We breed Red Caps, Houdans, Indian Games, Partridge Cochins, Golden Wyandottes, S. S. Hamburgs, Golden P. Hamburgs. Eggs $2.00 per 15. Have a few Dark Brahma Cockerels and Pullets for sale; will win in any show.

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Experience counts in breeding prime specimens.

OUR BIRDS WIN AT MT. GRETNA, PA., AUGUST 16 TO 20, 1897.

Light Brahmas—2d hen. Partridge Cochins—1st and 2d cocks, 1st and 2d hens, 1st cockerel, 1st and 2d pullets. Barred Plymouth Rocks—2d cockerel, 3d pen. White Wyandots—3d hen, 2d pen. Silver Gray Dorkings—1st cock, 1st hen, 1st and 2d cockerels, 1st and 3d pullets. S. S. Hamburgs and S. C. Brown Leghorns—Won three prizes on three entries.

Prime breeders and winning show birds for sale at reasonable prices.

Satisfaction guaranteed.
Write for prices.
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James M. Davis, Ligonier, Pa.

Will offer some of his famous breeding stock for sale at a reduced price to make room. Light Brahmas, S. C. W. Leghorns, and Barred P. Rocks, in pens, trios, or single birds at $1.00 each.

Also a lot of young ones of the Rollins and Knapp strains. March and April hatch at same price.



Goo-ger-ee-goo, O what shall we do
To save our dear children from drowning?
Why go on a strike and keep up the fight
For **Fountains** which will put a stop to your frowning.

None better than the **Practical.**
For evidence send for circular.

E. M. CHRIST, Manufacturer and Patentee.
Pine Grove, Schuylkill Co., Pa.



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If kicking himself because he failed to get his share of this year's business.

DON'T YOU....

Have cause to kick yourself for not getting your share of this year's trade. An ad. in THE FEATHER is sure to bring you good returns. Suppose you write us and we will give you all particulars.

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ANIMAL Meal, Meat Scraps, Sun-flower Seed, Rust's Egg Producer, Sheridan's Condition Powders, Ground Charcoal, etc. Ground Oyster Shells at 75c. per 100 pounds; Ground Bone at $2.50 per 100 pounds; Mica Crystal and White Lime Grit at $1.00 per 100 pounds. Green Bone Mills and Prairie State Incubators. Also, Garden, Flower and Field Seeds. Illustrated Catalogue mailed free.

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The Feather

A National Journal Devoted to Poultry, Pigeons, Birds, Etc.

Vol. II. No. 12. Washington, D. C., September, 1897. Five Cents.

DUCK RAISING.

Practical Experience of a Successful Poultryman.

BY JAMES RANKIN.

Written for The Feather.

AGREEABLE to my promise, to give you my methods as well as the benefit of my experience in breeding Pekin Ducks for market, will use the first spare time for the purpose. I will say here that I consider the Pekin Duck superior to all others as a market and table bird. Have tried the Rouen, Aylesbury, Cayuga, and Muscovy. Have crossed them in every conceivable manner to obtain the best results and in every case have found the Pekin superior to all other breeds, in fecundity, precocity, as well as its great domestic habits. It will thrive better in a dry yard with only water to drink than any other breed. I need not say here that a person starting in this business, either naturally or artificially, should make the conditions as near right as possible. Buildings or yards should be arranged with regard to the health and welfare of the birds as well as the convenience of the operator, thus reducing the labor to a minimum.



VIEW OF JAMES RANKIN'S DUCK PLANT.

Use only first-class breeding stock. Debilitated, degenerated stock will not produce healthy and vigorous young. This is the prime cause of failure with many of our poultry breeders. They say they cannot afford to breed from their early-hatched stock, as it is worth too much for market, so they send it to the market and breed from later-hatched, inferior birds. A few years' practice of this kind means degenerate stock, infertile eggs, weak germs, together with a large mortality among the newly-hatched birds. We always select our breeders from our early-hatched birds, each one being carefully examined, and promptly rejected where defects exist, size, symmetry, and vigor being the main points of excellence. There are several methods of killing ducklings before they are hatched and as many more after. One is, in using eggs from degenerate stock; another, feeding the mother bird improperly, and also exposing the eggs to extremes of heat and cold in worthless machines during incubation; too much or too little heat after the little birds are out, too highly concentrated food, coupled with too little exercise, and many other things will often prove fatal, or, at least, greatly increase the mortality among the little birds.

In locating a duck plant select a sunny slope affording good drainage, sloping toward the south and east, and as near a good shipping point as possible. To insure success, the operator should have an aptitude for the business. For one to engage in a business not congenial to his tastes, simply to make money, would materially lessen his chances of success, as the conditions would all be against him. With me, duck culture has made by far the best returns of any other farm product, but it is a business requiring intense application, and unless one is willing to rise with the sun, and put in fourteen or fifteen hours during the long Summer days, he had better choose some other occupation. The reasons will appear later on.

For the artificial process, secure a room with a temperature as nearly uniform as possible. Get the best machines. The cheapest often prove the dearest in the end, usually spoiling eggs enough to buy a good one the first season. Balance your machine, or, in other words, see that the heat is uniform in both ends, and indeed all over it. See that it is running steadily before placing the eggs. If you do not grow your own eggs, procure fertile eggs from strong, vigorous stock. There is a great deal in starting in right. Run your machine at 102 degrees the first three weeks, and 103 the last week, turning the eggs carefully twice each day at regular periods. The moisture should be governed by the location of the machine. If in a dry place, moisture should be introduced on the fifteenth day, but if the machine is in a moist place, such as a damp cellar, the twenty-second day will be better for the moisture. A temperature of 104 degrees, just previous to and while hatching, will do no injury. Be sure and place the glass on a live egg, after the animal heat rises, which will be when the circulation begins and will be perceptible on good eggs the fourteenth or fifteenth day. Ventilation in roomy egg-chambers is of little consequence, where the eggs are taken out to turn twice each day. We have ten 600-egg experimental machines running in our incubator room. We have been experimenting with these machines for many years. Some of them have top ventilation, some bottom, some both, and some none at all. They have been running side by side, with the same eggs, the same care and treatment, with no perceptible difference in the hatching, so that in-

creased ventilation simply means increased consumption of oil and nothing more. Our machines are sent out with both top and bottom ventilation, so that should the operator have foul and fetid air, carbonic acid gas, or excessive ventilation "on the brain," he can indulge them all to his heart's content.

The little birds will begin to break the shell about the twenty-fifth day and come out the twenty-seventh. The egg shells should be removed once in six or eight hours, so that they will not slip over the pipped eggs, as it would be sure death to the imprisoned ones. Occasionally a little bird is unable to free himself from the shell and needs help. The expert can readily detect when. There is one point here which it is well to note. The egg just before hatching radiates a great deal of heat, while the duckling when first out, being not unlike a little sponge, absorbs it, or, in other words, the rapid evaporation which takes place generates cold, so that when a hatch is about half out we gauge our machines up about one degree and when the ducklings are all out and dried off the machine will run at least two degrees lower than when they were in the egg. Some ventilation should be given while hatching. The little birds should be kept in the machine for twenty-four hours when they will be sufficiently strong to be removed to the brooder. Open the air valves and give them plenty of fresh air, so that they may be well dried off. A uniform temperature of ninety degrees should be held in the egg chamber. The outer doors of the machine should be closed and the little fellows kept in darkness the first twelve hours, then the outer doors should be let down. In the meantime the brooding-house should be prepared for the reception of the young brood. The heat should be started some twenty-four hours previous to use. The brooding-house should be the same whether you are growing on a small scale or a large one, with simply the length proportioned to your needs. Heat should radiate from above on young ducklings, as bottom heat will soon cripple them in the legs and render them helpless. The food should be prepared previous to their removal and sprinkled upon the feeding trough (which should be about five feet long and ten inches wide with lath sides an inch high). The food is composed of equal parts of ground cracker crumbs and rolled oats, into which about ten per cent. of hard-boiled eggs (chopped fine) and a liberal sprinkling of coarse sand or fine gravel should be mixed. Be sure about this grit, as it is the most essential of all. After the third day, the amount of rolled oats may be gradually reduced and Quaker oat-feed substituted instead. At two weeks old the feed should consist of equal quantities of cornmeal, wheat-bran, and Quaker oat-feed, six per cent. of good beef scraps, and four per cent. of grit.

When the birds are eight weeks old cornmeal should comprise one-half the feed, oats and bran the other half. Feed all the green food they will eat, once each day, until one week before killing, when it should be fed slightly, as it gives the skin a yellow tinge.

Our brooding system consists of a building 150 feet long, fifteen feet wide, with three foot walk in the rear next the brooding boxes, from which runs a flow and return pipe one and one-half inch calibre. This pipe is six inches from the ground at heater end of building, and ten inches at the opposite end. The pipes are ten inches apart from center to center, and are boxed in thirty inches wide, partitioned on the inside every six feet, and with pens inside and outside of building of corresponding width. The brooders should be filled up with barn chaff to within three inches of the pipe near the heater, gradually increasing the distance as you near the other end of the building. The newly-hatched birds should always be put next the heater, and moved toward the other end of the house to make room for successive hatches, the distance from ground to pipes gradually increasing to accommodate the increased size of the young birds. When this building is filled, the older birds are gradually removed to our large double brooding-house, 125 feet long by thirty feet wide, with a four-foot walk through the center and pens on both sides. This building has a capacity of nearly 5,000 and by the time it is full the young birds do not really need shelter, only shade, as wet weather is no disadvantage to them providing drainage is good. We often put one hundred ducklings in a yard when crowded for room, but would not recommend it; fifty or sixty will do better. Ducks are not as subject to disease as hens, yet they will not thrive in filth. The yards should be swept at least once a week, or just before a storm. The droppings thus obtained will always cancel the labor. This, besides keeping the yards sweet and clean, will doubly pay in the additional thrift and growth of the young birds.

Never feed more than the birds will eat up clean, rather keep them a little short. I have often visited poultry plants where the food was lying around in all conditions, in troughs, on the ground, trodden upon, mixed with excrement and filth, and had become sour and offensive so that the birds would not eat it, while the attendant would go his rounds and periodically throw more food upon the already offensive mass, the owner looking on passively, wondering why his ducks would not lay, the eggs were not fertile, and his ducklings would not get fat. I require my men to go the rounds after feeding and if there is any food left, to take it up clean. If this is insisted on, they will soon learn to feed just what is required and no more. Clean feeding is of the utmost importance both for young and old birds, as neither will thrive from over feeding, as it destroys the appetite completely. The natural food of the duck is principally vegetable and animal, and is obtained in brooks, puddles, marshes, and consists of flags, grass, roots, small fishes, polliwogs, etc., so that it is difficult to get fertile eggs, or many of them, from hard food alone. Success or failure in the poultry business often date their origin from just such trivial things as the above, so insignificant in themselves as to be entirely overlooked by the novice, who, if he is persevering, will eventually discover both cause and remedy, but often after years of costly experiment, and a loss of valuable time which he can never recall.

In regard to the natural process, the same course should be pursued as in the artificial up to the hatching. About ten duck eggs is a fair complement for an average hen. As the eggs are more easily broken than hens' eggs great care should be taken in preparing the nest. It should be slightly concave, bot-



JAMES RANKIN'S DOUBLE BROODER-HOUSE.

tom with a little fine cut hay, with room enough so that the eggs will not be crushed by the breast bone of the bird. As the period of incubation is four weeks the hen should be well dusted with insecticides. When the little birds are hatching, they should be removed from the nest as fast as they come out and dried off by the stove, as the mother hen would crush many more of them than she would of her natural offspring. Always grow the ducklings in brooders as they will not only do much better, but there will be far less mortality among them than if left with the mother hen.

ASSOCIATION NOTES.

To Moline Thanksgiving Week.

The Western Illinois Poultry and Pet Stock Association will hold its second annual show at Moline, Ill., November 23-27, 1897. The association has selected as judges F. H. Shellabarger, West Liberty, Iowa, and M. J. Keiley, of London, Canada. Much enthusiasm is shown in regard to our next exhibition. We intend to hold the banner show of the season. The business men and fanciers of Rock Island and Moline are anxious that we hold a show second to none, and will render us such assistance as is needed. The association is now backed by a large membership and is in good financial standing.

CHAS. F. KAMMERER, Sec'y.
Rock Island, Ill.

Their First Effort.

The coming show of the Ringgold Co. Poultry, Pigeon, and Pet Stock Association, November 24-27, will be our first one, but President Stevenson and Superintendent Middlesworth have had some experience with shows. Ours is a county affair, but admits members from adjoining counties. We have a large list of cash and special premiums and have secured the services of W. S. Russell, of Ottumwa, that energetic and promising young western judge. Ours is among the very first shows and breeders can send birds here, have them scored and thus learn what to send to the larger shows. W. E. BURLEIGH, Sec'y.
Mt. Ayr, Iowa.

The Arkansas State Association.

The Arkansas State Poultry Association will hold its first annual show at Little Rock, December 1-4. H. B. Savage, of Belton, Texas, has been engaged to judge the show. At this early date it is evident that the show will be a large one and that the special premiums, as well as the association premiums, will be numerous and liberal. Much more interest is being manifested in thoroughbred poultry in this State than formerly, and I am of the opinion that the interest in that direction will be much stimulated by the several poultry shows that will be held in the State the coming season.

W. H. WESTBROOK, Sec'y.
Pine Bluff, Ark.

Open Letter to the Poultry World.

The Arapahoe Fanciers' Club announces its complete formation. Its objects are those for which all such organizations are assembled—the highest development possible for the poultry industry, both market and fancy. While an Arapahoe County institution, it will be by no means exclusive in its exhibitions, and all entry lists will be open to competition, subject only to such regulations as will secure the best interests of the feathered race. Our first annual show will open in Denver, Colo., Monday, November 29th, and close Saturday, December 4th, 1897. It will be a "ribbon show" to ascertain and exhibit the points of beauty and value of stock, and not to vie with each other in a scramble for "specials," which we believe to be a fruitful cause of discord in the show room and in no wise enhancing the value of fowls. Theodore Sternberg, vice-president of the American Poultry Association (a wheel-horse in chickendom, whose score cards are their own recommendation) will judge the exhibit. Information regarding the exhibit will be cheerfully furnished upon application to the secretary.

E. W. GRAHAM, Sec'y.
415 16th Street, Denver, Colo.

The Parsons and Southeastern Kansas.

The fourth annual show of the Parsons and Southeastern Poultry Association will be held at Parsons, Kans., December 7-11. We have secured one of the best judges in the country, B. N. Pierce, of Indianapolis, and from what we can learn we will have one of the largest shows held in the West this year. For all information address

J. R. ALEXANDER, Sec'y.

The Miamisburg (Ohio) Show.

The second annual show of the Miami Poultry Association will be held in the City Opera House, Miamisburg, O., December 1-6, 1897. The association has engaged the services of one of America's foremost judges, H. A. Bridge, to judge its show. The score card will be used, and a card signed by Judge Bridge will be questioned by no fancier or purchaser. Judge Bridge's work at the big shows during the past season has called forth much favorable comment by the foremost fanciers and the poultry press. Surely it will pay you to arrange to show at Miamisburg the coming Winter.

OLIVER L. DOSCH, Sec'y.

Rock River Valley (Ill.) Association.

The Rock River Valley Poultry Association was formed in the early months of 1896 for the purpose of encouraging the poultry business in the mid-west, and at our first show held in December of the same year we had a remarkable exhibit both in numbers and quality of stock shown. We have determined to make the Dixon show this year second to none in Illinois, excepting, perhaps, Chicago and the State Association, and our premium list will contain a grand array of premiums, both regular and special, besides our $60 silver, gold-lined cup to be given for the largest number of birds exhibited by any one breeder scoring ninety points and over for two years in succession. The association will give $100 in cash to be divided among the different breeds. These, together with our regular cash and a large list of special premiums, will be ample inducement to any breeder to bring a good string of his best birds. Any one interested should address the secretary for a premium list.

FRED. N. FARGO, Sec'y.

Bloomington (Ill.) Poultry Association.

The fifth annual show of this association will be held at Bloomington, Ill., December 14-18, and the indications now point to a grand success. We offer cash premiums on all land and water fowls that are as liberal as those offered by any show. We expect at least 2,000 specimens to be on exhibition. We have engaged the veteran judge, B. N. Pierce, to pass on all birds and place the awards, which all breeders admit gives the highest value to score cards from our show. For information as to entry fees, etc., address J. D. SHIPLEY, Sec'y.
Normal, Ill.

The Associated Fanciers.

The Associated Fanciers will hold their first annual show December 21-24, '97. Charles McClave, the popular judge, will judge the feathered beauties. Competition is open to the world, and all cash and special prizes will be paid and delivered before the birds leave the show room, and every exhibitor who wins a prize will be positive that he is not going to be cheated out of what belongs to him. Breeders of fancy fowls please make a note of this. Our premium lists will have a sworn statement of the cashier of the bank stating that the money has been deposited with him for all premiums. Lists ready November 1st.

E. J. ROGERS, Sec'y.
Sandusky, Ohio.

North Central Illinois Association.

The North Central Illinois Poultry Association will hold its third annual exhibition December 20-25, inclusive. We want to make this show excel all its predecessors, and to do so some hard work will be required, as last year's show was conceded by many to be one of the best held in the West, and the interest created then has greatly increased, and we have every indication that the "Princeton show" of 1897 will be a great success. Two popular judges, F. H. Shellabarger, of West Liberty, Iowa, and W. S. Russell, of Ottumwa, Iowa, will score the birds and get the ribbons in place in time to do the exhibitors some good. We cordially invite all fanciers to be with us, as we will make every effort to treat all fairly.

Princeton, Ill. A. C. BEST, Sec'y.

The Palmyra Poultry Club.

This club has held four very successful shows and the indications are that the fifth annual will be the best of all. Liberal cash premiums will be paid by the club, besides $125.00 in gold specials offered by the merchants of our town. F. W. Hitchcock has been secured as judge. The premium list will be ready October 1st. Write for one.

Palmyra, Ill. S. A. RIGG, Sec'y.

Logan Co. (Ill.) Association.

The first exhibition of the Logan Co. Poultry Association will be held at Lincoln, Ill., December 21-24, with A. B. Shaner, of Lanark, Ill., as judge. We will offer several beautiful silver cups as premiums in connection with our cash premiums. We are very much encouraged as everything points to a very successful exhibition. For premium list and all information write to

F. A. HICKMAN, Sec'y.
Lincoln, Ill.

The Glasco (Kans.) Show.

The Glasco Poultry Association will hold its third annual show at Glasco December 27-29. We extend a cordial invitation to all poultrymen to exhibit and attend the show. C. H. Rhodes, of Topeka is to judge the show.

M. E. POTTS, Sec'y.

When writing our advertisers always mention THE FEATHER.

BUSINESS BIRDS.

Detailed Description of Pollard's Poultry Farm.

AT South Attleboro, Mass., is located the poultry farm of George H. Pollard. This farm is remarkable for its success in producing practical "business birds" that have proven themselves "money makers" in the show room as well as in the market. Mr. Pollard's farm is of sixty acres and is admirably adapted to the raising of fine Pekin Ducks and White Wyandots. Every convenience is provided here and his birds are grown under natural conditions and natural surroundings. It is one of the prettiest plants we have yet seen.

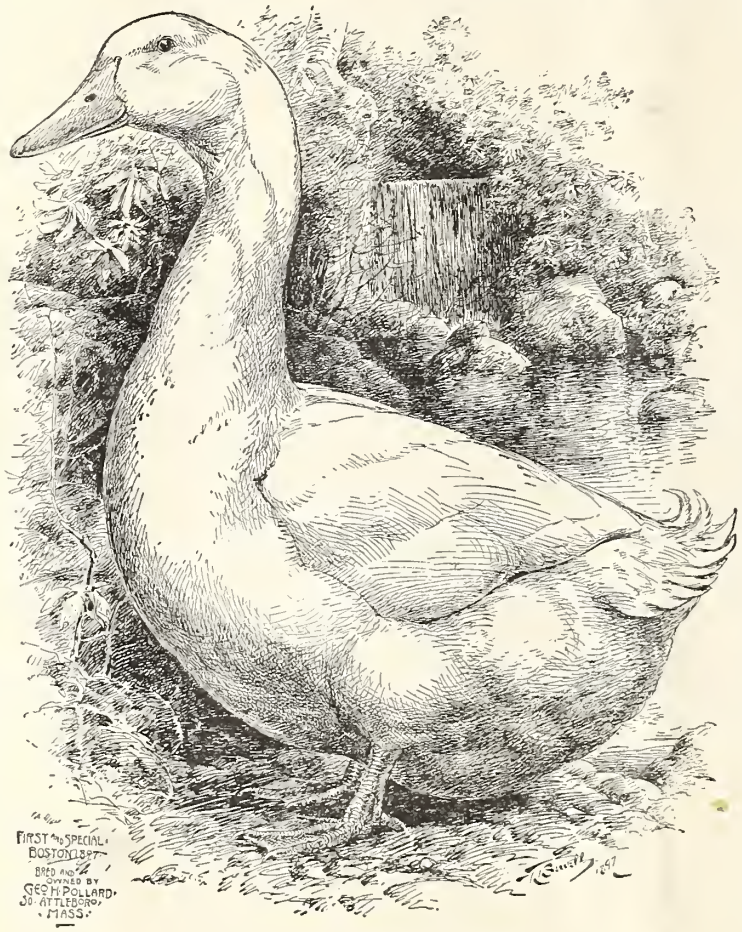
Mr. Pollard began keeping poultry about five years ago on a large scale at Pawtucket, R. I. His first two seasons were not so very successful, his breeding stock was weak and worn out. After this he disposed of all his original stock and purchased entirely new, strong, vigorous stock, and soon saw the measures of success coming to him. From then on his path has been strewn with prosperity in duck and "chicken" raising, and it was only two years ago that he made the record of six tons of duck to the acre. His Pawtucket farm was only two acres in size and this was found totally inadequate to his rapidly-growing business. He then purchased his beautiful farm at South Attleboro.

Mr. Samuel Cushman gives the following splendid description of Mr. Pollard's plant: "Mr. Pollard says that the foundation of success in this business lies in the breeding stock. More failures occur on account of the breeding stock being weak than from any other cause. The best of stock, unless kept properly, will soon get weak and worthless. When mating breeding ducks in November, he provides a drake for every five ducks. Later in the season, about the last of May, a drake should have as many as six or seven ducks. For breeding, he prefers ducks and drakes in their second year to those raised the same season, although a part of those used are young stock. No ducks are kept, however, longer than two or three years. No whole grain is fed the breeding ducks. He gives them a mixture composed of three parts of wheat bran, three parts cornmeal, and one part beef scraps. One part of a cheap grade of flour is also added to hold the mass together. This makes it scatter less and prevents much waste. It is mixed with hot water in Winter to take off the chill, but not to cook it. Sound cabbage is also bought and fed, as well as boiled turnips and clover. Crushed stone or grit, the same as is fed to hens, is kept by them all the time, as well as crushed oyster shells. In cold weather, the ducks are housed at night, but they are invariably fed out of doors every day in Winter. When snow is on the ground, a place is cleared in front of the house for this purpose.

"Eggs are not secured in any number until December. Although the ducks are allowed the run of their yard during the laying season, nine-tenths of the eggs are laid in the house. They do all their laying by 10 o'clock in the forenoon, after which they are given free access to a pond or swimming place. Mr. Pollard has tried nest-boxes and stalls as nests, but finds them of no advantage. The ducks are liable to rush from one end of the room to the other and the whole flock are liable to go slam bang against them and pile up in them, if they happen to be in their course. The house floor is covered with planer shavings, and the ducks make their nests right on the floor, and less eggs are broken or lost than under any other plan followed. Planer shavings suit Mr. Pollard best for bedding, though they hurt the value of the manure. Cotton dirt is excellent, and is, also, of value as manure.

"He has been endeavoring to improve his ducks by increasing the depth and flesh development of the fore part of the bodies, and his breeding birds are, as a lot, very deep bodied. This type of duck, he claims, will be the plumpest, heaviest, and most attractive when dressed. With this deep-bodied strain, he won in close competition at the Boston poultry show most of the first prizes. (All but one, and it was afterward found that the bird that took it was disqualified, so he really was entitled to all firsts.)

"Mr. Pollard's farm is made up of hills and hollows, ridges and marshes, and has a stream running through its whole length which furnishes all the water needed for duck ponds. The soil is a gravelly loam over a gravel sub-soil. Natural marshes between gravelly hills and steep slopes leading down to the water give every natural advantage desired for laying out yards for breeding ducks. The marshes and ponds are as near like the natural home of the duck as can be had. It would seem that several generations of ducks bred with such liberty and surroundings must regain all the hardiness and vigor of their natural state, and that a high per cent. of fertile eggs would be insured.



ONE OF MR. POLLARD'S WINNERS.

"The duckhouse on this place, put up last year, is 120 feet long, twelve feet wide, eight feet high in front and four and one-half feet high at the back. It is built as cheaply as possible, of one thickness of ordinary boards and covered with Neponset paper. The inside is divided up into pens, two of which are twelve by twenty feet and five twelve by sixteen feet; twenty-seven ducks and five drakes are kept in each small pen. The partitions are only three feet high, being made of twelve-inch boards nailed across at both the top and bottom with the space between covered with netting one foot wide. The top board is quite desirable, as it prevents the netting from being bent down, and the ducks are less liable to run against the partition or try to jump over. In the front of each pen is a window about three feet square, high enough from the ground so that it will not be broken by the ducks, while in the rear, at a convenient height, is an oblong trap-door through which the manure is shoveled out as well as the planer shavings thrown in right from a wagon. In the yards adjoining this house and on the ponds connected with them were flocks of fine Pekin Ducks actively feeding or sporting in the water. Four hundred ducks intended for breeding were in sight, over 200 were yearlings or ducks of a previous season, and the rest selected young ducks. At least 300 of these were carried over Winter and are being bred from.

"Scattered about another and a higher part of the farm were, at least, 800 white chickens. About 600 of them were White Wyandots and the remainder were White Plymouth Rocks. These



A SECTION OF MR. POLLARD'S POULTRY FARM.

chickens were reared artificially and brought out here when well feathered, and sheltered at night in wired-in sheds scattered about the place. Twenty-five of these sheds were of the well-known Hodgson make (the retail price of which is $5.00), and had given satisfaction. In very windy weather, they may be overturned in the day time unless staked to the ground. At night, however, the half-grown chickens on the roosts generally weighted them down sufficiently to prevent their overturning. On this farm Mr. Pollard will soon build a pipe brooder-house 115 feet long fitted with the same brooding and internal arrangements that have given such good results in the home brooder described, also another house of the same pattern for a cold brooder, to receive the chickens or ducks as soon as they can get along without artificial heat. A system of water pipes with a steam engine to fill the supply tank once a week, as well as an incubator cellar, will also be built immediately. There will be a drive about the place from building to building for the convenience of the team to be used in making the rounds when the feeding and other work is done. A flock of Embden Geese will also be used for breeding, the nucleus of which has already been secured. The stone walls on the place, which are regular vermin harbors, will be used in making foundations for buildings.

"As Mr. Pollard has been a buyer of live poultry for years, he is familiar with the various markets and has learned what stock sells best when dressed. He has found that pure-bred stock, especially if directly from the yards of the fancier, has usually been in poor condition and unsuited to his purpose, but that farm-raised poultry having free range, whether they were pure-bred, cross-bred, or scrub stock, usually could be depended upon to suit his customers. He found that certain breeds that he bought, no matter how favorable the circumstances under which they were reared, were, when dressed, so narrow-bodied, blue-meated, and white-skinned, so very unattractive in appearance, that they could not be sold and had to be used for home consumption or given away. Other varieties had such well-proportioned carcasses, such full breasts, and yellow skin and legs that, even when rather thin, they were so attractive that they sold quickly at the highest price when dealers would refuse stock not so good at any price. This fact naturally caused Mr. Pollard to favor certain breeds and to discriminate against others. When buying stock for the market, he did not care what the breed was if the stock was good enough to suit his trade, but he did not fail to notice which blood had the best influence and gave the most value to a flock. Therefore, when he leased his first farm and commenced to raise poultry in considerable numbers, he decided that if it paid to buy and sell the best, it was still more important that he should produce the best. He, therefore, secured a flock of Light Brahmas and Silver Wyandots, although he has since discarded them and now keeps White Wyandots and White Plymouth Rocks. He considers the former the best all-around fowl and much more profitable. The latter are kept because there is a demand for them, and they sell well for breeding purposes. Although a very promising fowl, the latter must be very much improved before they will equal White Wyandots. White Wyandots, in his experience, produce better eggs, as regards size and color, than White Plymouth Rocks. The latter will eat twice as much and lay no more eggs. Their eggs, although not as handsome as those from Brahmas or Langshans, are



BREEDING PEN OF WHITE WYANDOTS.



MR. POLLARD'S BREEDING YARDS.

nearly so, not five per cent. of the eggs laid being light-colored. Only dark eggs are selected for hatching. Although they will not lay as many eggs as White Leghorns, Mr. Pollard claims that they will lay as many dollars' worth in the year and sell better in the Eastern markets, and when the fowls or chickens of each are dressed for the market, the difference in their value is great.

"His breeding Wyandots are kept in small houses about the outskirts of the farm away from the rest of the stock, and are given free range to insure vigor. It should be remembered that Mr. Pollard knew his market before he began operations. His brother is, also, head man at the stall of one of the leading poultry dealers at Fanueil Hall Market, Boston, and he is himself in a position to keep posted. After raising his stock, he knows when to sell it and how to get all the money that can be got for it. This end of the business is usually the last to be studied by the enthusiastic person who thinks of rushing into the business, but if he is wise, he will make it the first."

Fowls on the Farm.

Not many more years ago than can be counted on the fingers of one hand not one farmer in ten knew the names of a half-dozen breeds of poultry. But today the farmer who cannot tell his choice of the different breeds, and the reasons of his preference, is considered behind the times. This is as it should be, for nowhere else can a small flock of fowls be made to yield so much clear profit as on the farm.

It seems to me best that the farmer should keep but one variety of chickens, if he intends raising only for eggs, broilers, or market stock.

We have settled on Buff Cochins as the kind that suits us best. They are extremely gentle, of large size, quick growth, taking only about two months to reach frying size. They are heavily feathered, and so stand the cold weather well, and lay better in Winter than in Summer, which suits us, as we do not care to sell eggs when they are down to five or six cents. When they reach this price, we think it pays to boil a few occasionally for the little chicks, if we have more from the common hens than we need for kitchen use.

Eggs from our best hens sell readily among the neighbors for a good price, for setting, if we have more than we wish to set ourselves.

We aim to have our early chickens ready for market as early as possible, and these are sure to bring good prices in the home market. Later, when everybody and all his folks are taking chickens to market, prices take a leap downward, and as by this time all except the very small chicks can almost pick up a living, and as fowls, live or dressed, are in demand about Thanksgiving, Christmas and New Year's, and often between times, we keep our chickens growing on to be ready for the market at one of these times.

When setting hens, we set two at one time, and when they hatch, put all the chicks with one hen, and if the other hen seems doing well—if she seems bright and in good flesh—put more eggs under her, and set another hen at the same time. This is late in the season, when one hen can take care of twenty-five or thirty chicks; earlier it is not safe to allow more than fifteen to the hen.

We often hear people say there is no use in setting eggs to hatch in June, for June chicks will "sleep themselves to death." This is often true, because, the weather being pleasant, chicks are not cooped, but allowed to wade through rank grass and get wet with dew. We have never had but few June chicks droop and die, and those few deaths have invariably followed closely after a failure to keep them cooped until the dew dried off in the morning.

Another thing which causes many deaths among warm-weather chicks is the practice of feeding almost exclusively on cornmeal dough or batter. Cornmeal should not be fed at all, raw. Bread made of cornmeal is better. Bread made of a mixture of meal and wheat bran is best, and to this should be added a generous allowance of table scraps, meat, fruit and vegetable trimmings, and what sweet milk or clabber can be spared for them need never be considered wasted.

A flock of poultry on any farm can be made the source of a neat income; but, even should the farmer only raise enough for his own family, selling never an egg nor a feather, still they will pay better than almost anything else requiring no more outlay, either in time or money, than they.—*Farm, Field and Fireside.*

Selling Dressed Fowls.

The proper way to dress fowls is to first pick them clean, without scalding, and then carefully remove the pinfeathers. Having done this, the next thing to do is to remove the animal heat from the bodies, which is done by dropping them into ice water, allowing them to remain in the water all night, and then hanging them up to drain a few hours. This process is known as "plumping," and it gives the carcasses a better appearance. Before shipping to market, pack them in clean barrels or boxes, using no cloth, paper or other packing material, sending by express. Do not mix the poor fowls with those that are fat. If they are not all in prime condition, assort them, for the poor carcasses, if put in with the others, will bring down the price of the whole, but it never happens that fat birds bring up the price of the poorer ones. It is seldom farmers assort the fowls, but send all together, and they do so because they prefer to ship but one box or barrel, though it is a mistake to do so, as the difference in cost of transportation saved will not compensate for the loss on the whole lot due to the presence of a few inferior fowls.—*The Poultry Keeper.*

The drinking vessels should be cleaned every day; for so important is the question of pure drinking water for the fowls that some are of the firm opinion that an impure supply is the cause of most of that trouble to which we give the name of cholera.

Poultry yards should not only be well drained, but it is a good plan to spade or plow them up once a month during the Summer. The top of the ground might be first profitably scraped and carried to the vegetable garden. Use plenty of lime around the houses and yards, and thus prevent them from becoming offensive and unhealthy.



CONDUCTED BY DR. D. E. SALMON, U. S. AGRICULTURAL DEPARTMENT.

Diseases of the Respiratory Organs.

BY DR. D. E. SALMON.

THE respiratory organs of birds differ considerably from those with which we are familiar in the other species of domesticated animals. The plan of structure of these organs follows more closely the analogous organs of reptiles than it does those of mammals. This should not excite surprise as it is now admitted that birds are descended from some animal of the reptilian group.

The lungs are confined, as they are in the tortoise, to the back part of the body cavity, and are firmly attached to the ribs and the spaces between these bones. Large membranous sacs, communicating with the lungs and serving as reservoirs of air, extend to the posterior portion of the abdomen and even into the bones. The lungs are not suspended freely and divided into lobes as we see them in other farm animals, but they are attached to the back part of the chest and are accurately molded to the inequalities of the ribs and the spaces between the ribs.

Notwithstanding these resemblances to the sluggish cold-blooded animals, the bird's breathing apparatus is of the highest order of excellence, and wonderfully effective. The lungs are comparatively small and have little elasticity, but there is a compensation for these features in the free communication with the spacious air sacs which contain an abundant supply of air.

The upper op ening of the trachea or windpipe is on the floor of the mouth just behind the tongue. The larynx at the beginning of the windpipe, which is such a perfect structure in the higher mammals, is in birds only slightly developed. The edges of the larynx appear to close together so perfectly that no epiglottis or lid is necessary. There are no vocal cords in the larynx as in mammals, and therefore this organ cannot produce voice, and it only raises or lowers a note by bringing together or separating the stiff margins of the opening. The true organ of voice in birds is the lower larynx or syrinx, which is found in no other class of animals and is situated where the trachea divides to form bronchi.

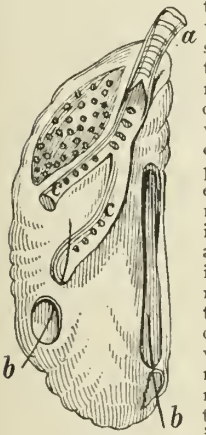


Fig. 1. Right lung of a goose; a, primary bronchus; bb, openings through which communication is established with the air sacs; cc, secondary bronchi.

The two primary bronchi formed by the division of the trachea penetrate the lungs, branching as they go and end in the air sacs which have already been mentioned. The primary branches of the bronchial tubes give off secondary branches, and the secondary branches in turn send off tertiary branches. These finer branches open upon a dense network of minute, almost naked, blood vessels, through the delicate walls of which the oxygen passes to the blood and the carbonic acid and other vapors escape.

There are in all nine air sacs, four on each side, and one (the interclavicular) which has been formed by the union of another pair. These are named the cervical, the interclavicular, the anterior thoracic, the posterior thoracic, and the abdominal sacs. With many birds the air sacs extend into the humerus or large bone of the wing, with some, into the breastbone, the thigh bone, and even other bones of the body. The air sacs act principally as reservoirs of air, feeding the lungs between the periods of inspiration and ensuring an abundant air supply at all times. There is possibly some oxygenation of the blood through their walls, and they serve in addition to reduce the weight of the body.

Nearly all the moisture which escapes from the bird's body passes off through the respiratory organs. With mammals a large proportion of the liquid taken into the body is evaporated from the surface of the skin, and this process serves as an efficient regulation of the body temperature. A considerable amount of liquid is also excreted by the kidneys of such animals. In birds the secretion of the kidneys contains but a small quantity of water, and the skin has no sweat glands, so that but an insignificant amount of moisture is evaporated from the external surface of the body. The lungs and air sacs of birds must, therefore, perform not only the duties which devolve upon the respiratory organs of mammals, but also largely those of the kidneys and skin as well.

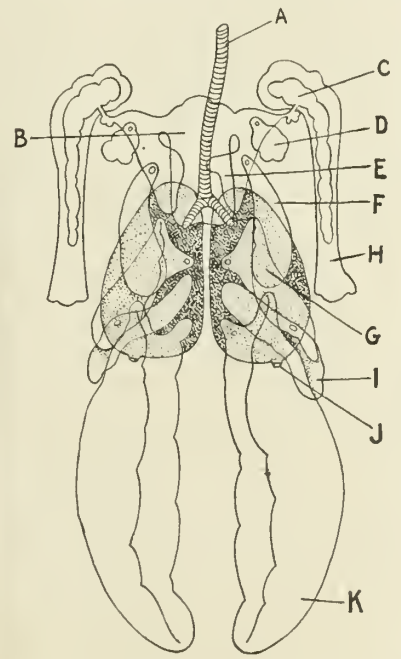


Fig. 2. Diagrammatic representation of the air sacs showing their relation to each other and to the lungs. A, trachea; B, interclavicular sac; C, D, E, F, extensions of interclavicular sac; G, anterior thoracic sac; H, humerus; I, posterior thoracic sac; J, entrance of bronchial membrane; K, abdominal sac.

On the whole, the bird's respiratory apparatus is very perfect and more active than that of any mammal. The quantity of carbonic acid exhaled is very large, the breathing is rapid, and the oxidation of the blood is necessarily thorough to maintain the high temperature of the bird's body. With all of this, birds are capable of great and prolonged muscular exertion; the "wind" of the Homing Pigeon, for instance, being something remarkable.

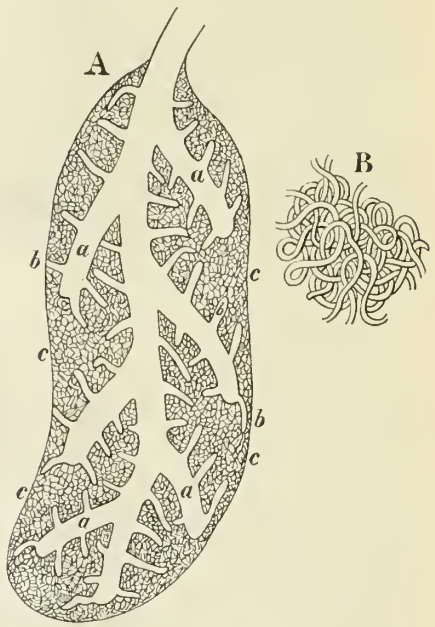


Fig. 3. Lung of a bird represented in ideal longitudinal section; aa, secondary bronchi; bb, tertiary bronchi. B, dense network of minute blood vessels which makes up the greater part of the lung tissue and to which the tertiary bronchi convey the air.

The intimate connection which exists between the bronchi and air sacs readily permits of the extension of a disease process from one to the other, and parasites or parasitic diseases may be common to both. Injured birds may even breathe through a broken humerus which has pierced the skin, when their windpipes are obstructed with blood and impermeable to air. In this case the air is drawn into the lungs through the interclavicular air sac instead of penetrating by way of the trachea and bronchi. The respiratory apparatus of birds differs, therefore, to a remarkable extent from that of other animals, in structure, in function, and in the development and extension of the diseases to which it is subject.

[*To be continued next month.*]

WANTED—A first-class man to take charge of poultry plant, incubators, etc., and share profits with owner. B. STEWART, Ashburn, Virginia.

The Feather,
Washington, D. C.

Published the 15th of Each Month by
GEORGE E. HOWARD & CO.

Subscription 50 Cents a Year in Advance.
Single Copies 5 Cents.

GEORGE E. HOWARD, Editor.

All matter intended for publication should reach us by the first of the month preceding the issue in which the same is to appear.

Write your name in full, giving full post office address plainly, so there will be no mistakes.

When writing for publication use only one side of paper. Brevity is the soul of wit.

Advertising in The Feather.

The Feather now offers the best and cheapest advertising in the country. Its circulation has increased more than one hundred per cent. during the last year. Its advertising rates are lower than those of any other journal of equal standing and circulation.

The Feather reaches the people that transact the poultry and pigeon business of the country. Its publishers have made a special effort to include among its readers all the most successful and most enterprising fanciers. Advertisers are often astonished by the large amount of business which comes to them after running their card a few months. There is no other medium which reaches so large a proportion of readers in all sections of the country who are able and willing to buy when they learn who are offering the stock or supplies which they need.

Net Advertising Rates.

Space	1 mo.	3 mos.	6 mos.	1 year
1 inch....	1 20	3 20	6 00	10 00
2 "	2 20	6 00	10 80	18 40
3 "	3 20	8 40	15 20	26 40
4 "	4 00	10 80	20 00	33 60
5 "	4 80	12 80	24 00	40 00
6 "	5 60	15 20	28 00	46 40
8 "	7 40	20 00	36 80	58 80
1 col.....	8 00	22 40	43 20	73 60
2 "	14 40	41 60	80 00	140 00
1 page....	20 00	56 00	108 00	200 00

Bills of five dollars or less are payable in advance.

All other bills are payable quarterly after the first insertion for the quarter.

Five per cent. discount will be allowed on bills of over five dollars which are paid in advance.

No advertisement will be inserted at any price from persons who are not responsible or who fail to deal honestly with their patrons. We particularly request our readers to notify us of any advertisers whom they believe to be dishonest or fraudulent. Honest advertisers will be protected—dishonest ones will be denounced.

Copy for change of advertisement must be received not later than the 1st of the month. New advertisements must be received not later than the 5th of the month.

Remittances should be made by postal note, postal money order, registered letter, bank draft or express money order.

All remittances should be made payable to
GEORGE E. HOWARD & CO.,
Room 353, Central Power Station,
Washington, D. C.

Entered at the Post Office at Washington, D. C., as second-class matter.

SEPTEMBER, 1897.

Another Birthday. With this number the second volume of THE FEATHER is completed. Two years is not a very long period, and, yet, it has been sufficient to reach a solid basis, to achieve reputation at home and abroad, to extend the circulation into every State of the Union and into many foreign countries, and to attain the first rank of publications of its class. To have accomplished so much during the very dullest years of the business stagnation which has afflicted our country, must be accepted as an indication of sound and conservative business management, of untiring industry, and of the ability to supply the kind of literature which is needed by those engaged in the poultry and pigeon industries.

With the enlargement of THE FEATHER last January, it assumed the form, general appearance, and make-up which is expected to be permanent. There will be improvements from time to time, but no radical changes. The articles which have appeared in THE FEATHER during the two years of its existence have brought much favorable comment, and many of them have been republished in the poultry journals of other countries. Arrangements have been completed by which we shall be able to give our readers during the coming year the productions of the best writers and greatest authorities on our subjects.

The circulation of THE FEATHER has increased at a marvelous rate. The advertising patronage is sufficiently evident from the number of pages devoted to this department even during the Summer months. Now that the financial depression has passed away and activity in business has returned our patrons are availing themselves of this opportunity to reach new customers and enlarge their business transactions. To all who are ambitious to extend their field of operations THE FEATHER now offers unexampled facilities. The advertising rates offered for the coming season's contracts are much lower than are demanded by other journals of the same class, and which reach no larger circle of readers. The readers of THE FEATHER are substantial citizens who recognize and appreciate a high grade of literature, and who have both the means and inclination to purchase a good thing offered at a fair price.

The business of THE FEATHER will be pushed with the greatest possible energy during its third year. We are confident that the circulation which was more than doubled last year will be at least multiplied by two and we hope by three before the next volume is completed. We only desire to carry the advertisements of honest, responsible business men and we shall endeavor to assist such patrons to the best of our ability. All persons known to be tricky and fraudulent in their methods of doing business will be excluded from our columns. THE FEATHER aims at the highest plane of journalism in all departments, and it expects to secure favor in the future as in the past by giving better reading matter and better and cheaper advertising than can be obtained elsewhere. Watch our columns for the coming year and note the valuable matter that cannot be found elsewhere; if engaged in business, try an advertisement and providing that you offer something at all popular you will not be disappointed by the results.

* * *

Statistics of Poultry and Eggs. THE FEATHER has received many compliments upon its editorial of last month concerning the egg trade of Great Britain. We are glad to learn that our efforts to convey information upon this important subject were appreciated. The facts had never before been presented in a manner that would enable the reader to understand their exact bearing. It was necessary to take the official statistics and make calculations to bring out clearly the points interesting to our people as exporters of poultry products. In these calculations, however, nothing was assumed or estimated, everything was derived legitimately from the official statistics. The value of the English importations was changed into American instead of English money; the value of the eggs per dozen was calculated; the countries were then arranged in order according to the number of eggs they contributed to this trade; and finally the value per dozen of the eggs from each country was determined. Of course, it required considerable research and computation to prepare this information and present it in a form that would enable every reader to at once grasp its full meaning; but the vast importance of the subject fully justifies all the work that was put upon it. Any one who carefully examines THE FEATHER will, we feel sure, find evidence of similar painstaking work in every department.

The opportunities for extending our trade with Great Britain are, however, deserving of special consideration, because of the transportation facilities between the two countries and the freedom of the English markets. Every attempt to extend our trade with the countries of Continental Europe is met with all sorts of vexatious restrictions, tariffs, fees, and unexpected expenses. The agrarian influence is sufficient to secure regulations that will hold the importations of agricultural products at the lowest point permissible with a passable food supply. There is every effort to keep the imports less than the exports—that is, to secure a balance of trade in their favor. England, however, is distinctly a manufacturing and trading country, and the fact is clearly recognized that a large proportion of its food supply must come from abroad. Her only interest is to buy from those who can sell the best products at the lowest price; and, indeed, her commercial supremacy depends upon a cheap food supply for her working people. Prudence, therefore, dictates that the first battles for the extension of our export trade should be fought out upon English soil, and, when we have driven our competitors from the British markets, we will be better prepared to contest with them upon their own soil. We do not, of course, intend to convey the impression that the Continent should be wholly neglected; on the contrary, it is plain that no opportunity should be neglected. The great struggle should be, however, to secure the British market to the fullest extent and at the earliest moment.

With these facts in mind, all must agree that our article on "The Egg Market of Great Britain" was both timely and of surpassing interest. It was an effort to present a model of the legitimate exploitation of official statistics. Both the poultry press and the newspapers have recently contained remarkable calculations as to the magnitude of the poultry industry of this country at the present time. Some of these have been reproduced in our columns as a matter of interest to our readers; but the difference between such articles and our presentation of the British egg trade must be apparent to all. The former are based largely upon estimates and guesses and are, consequently, more or less unreliable in their conclusions, while our article does not depart from the definite facts of the official statistics and legitimate deductions from them.

When one writer says that because there were 258,671,125 chickens in the United States in 1890, there are 350,000,000 in 1897, and that the hens this year will lay 13,750,000,000 eggs because they laid 9,836,674,992 in 1890; when he says the value of the eggs produced this year will be $165,000,000 and that the poultry meat sold will bring $125,000,000, we all know that he is guessing, or perhaps we

should say this is simply his estimate. It may be a very shrewd guess and turn out very near to the truth, but it may be a long way from the actual figures, if these could be accurately determined. The manufacture of statistics by the process of induction is a very entertaining pastime, and brings the charm of romance into the dry details of commercial figures, but no matter how rigid the logic appears to be, when there is a break in the calculation and some of the elements are assumed, it is not safe to bank very heavily upon the conclusion that is reached.

We might, for example, make an estimate based upon the Kansas statistics of 1896, which were obtained from the assessors' returns and given in the able report of Mr. F. D. Coburn, the talented Secretary of the State Board of Agriculture. It is shown in that report that the value of the poultry and eggs sold in Kansas in 1896 was $3,608,815. Now Kansas in 1890 had 15,843,345 chickens, or about one-sixteenth of all in the United States, and there is no reason to doubt, so far as we see, that she still maintains this proportion. If, however, we attempt to find the value of the poultry and eggs sold in the United States in 1896 by multiplying the Kansas product by sixteen, we only obtain an aggregate of $59,000,000, which all will admit is far too low. We might assume, on account of the distance from market, our Kansas friends did not obtain average returns for their products, but even if we try to correct our figures by doubling them we would still have failed to reach half of the value assumed by the writer to whom we have above referred. We do not assert that this writer is wrong, because a further correction should be made for the value of the poultry and eggs consumed upon the farms. In each case, however, we are dealing with unknown quantities.

Again, we might attempt to get the value of the egg crop by figuring from the 80,000,000 dozens of eggs which the Mercantile Exchange tells us are consumed in a year in the greater New York. That municipality contains about one-twenty-fifth of the people of the United States, and, consequently, we might expect the whole country to consume twenty-five times 80,000,000 dozen, or 2,000,000,000 dozen. At ten cents per dozen these eggs would be worth $200,000,000, or $35,000,000 above the estimate mentioned. Such estimates are interesting, but they should not be accepted as having the value of statistics.

THE FEATHER has made arrangements by which it will be able to give its readers all important facts concerning the poultry industry as soon as these are definitely ascertained, and it will endeavor, as opportunity offers, to show what may be accepted as statistics and what should be regarded as estimates or guesses.

* * *

More Circulation. We hope to obtain 10,000 new subscribers before the 1st of May, 1898, and we trust every one of our numerous friends will assist us in this effort. Remember that every name added to our list counts one, and that every reader of THE FEATHER can easily induce one or more friends to subscribe. Every additional subscriber helps us and helps the readers of our journal, since every cent received is used to improve THE FEATHER. It is our one ambition in life, to publish the best poultry and pigeon magazine in the world, and we feel sure that our fellow enthusiasts will co-operate with us to this end. We give three subscriptions for one year, or one subscription for three years, for one dollar.

* * *

From Shell to Market. THE FEATHER for October will be one of the most interesting numbers yet published. It will contain an elaborately illustrated article on Mr. A. J. Hallock's mammoth duck plant and the detailed methods used to make it a success. We will show in a series of fourteen illustrations the growth of a duck from the shell to the time of marketing. It has taken considerable time and patience to get these pictures and they will be used in THE FEATHER exclusively. The weight of the birds is given in periods of one week. Nothing like it has ever been published before and it will be a revelation to our readers. Besides these fourteen original illustrations we will also use several views of Mr. Hallock's Atlantic Farm, showing the magnitude of his business of growing Pekin Ducks for market as well as for fancy purposes.

* * *

Begin Now. The season's business has opened with considerable activity. Large sales of birds at good prices have been reported by several breeders and all indications point to a prosperous and successful season to poultrymen generally. The return of prosperity will give an impetus to the industry that has never been felt before. Those breeders who have stock for disposal and hope to sell it will do well by placing their card in THE FEATHER. The month of October is an especially good one to begin the year's advertising, being the opening of the show season and the time when purchasers are in need of good birds; a better time could not possibly be had. Be sure your ad. is in in time for the October number; it has paid others to advertise in our columns and we are sure it will you.

* * *

Agents Wanted. We want 1,000 agents immediately to take subscriptions for THE FEATHER. There is no more popular paper published and none that gives the readers as much for the money. It is the leading poultry journal of the East and the only thoroughly illustrated paper that combines the poultry and pigeon industries. The most liberal compensation is given to agents. Send for agent's outfit with terms and full particulars.

* * *

It Tells Its Story. Below is published a letter from one of our classified advertisers. Mr. Sutor's statement is like many others that we have had recently made to us; the returns from ads. have been exceedingly large for the amount invested. When we know that we are doing so much for our patrons, we feel that the mission of THE FEATHER is indeed a worthy one.

WASHINGTON, D. C., Sept. 9, 1897.

Editor The Feather:

I was going to enlarge my ad. from classified column to one or two-inch display, but really I do not feel as though I want everything, which I would have should I make the change. Can you, or any one else, blame me for not wanting to spend any more money for a larger ad. when in one month I received $37.25 on a 33½ cent, forty-word ad., or on a total expenditure of $3.00 from January 1, 1897, to date, and two issues to hear from yet, received $114.75? Every mail brings me orders and inquiries from almost every State in the Union. Think I ought to cry, "Hard times?" No! I have had a number of second orders from parties, after seeing the kind of stock they received for their money, also many testimonial letters, which I will use in my 1898 catalogue. And all these persons when writing mentioned THE FEATHER. These "Feathers" flutter into some of the most remote and outlandish places in these United States.

Trusting that I will be able to run the amount up to at least $150.00 from October and November issues, I am, Yours fraternally,

P. FRANCIS SUTOR.
Manager The Southern Lofts.

A Success.

I think your paper a success to all who advertise birds worthy of their name.

Hagerstown, Md. E. STODDARD.

Better than Six Others.

We have sold, up to this date, more eggs from our ad. in THE FEATHER than from six other papers combined.

Churchland, Va. W. P. COTTON.

A Sweeping Sale.

I have just shipped to a broiler plant in Virginia 106 head of White Wyandots, all through your valuable paper. Long may it prosper!

Washington, N. J. CHARLES NIXON.

Best All Around.

I consider THE FEATHER the best all-around fancier's paper published. I would not be without it for double the price.

Salt Lake City, Utah. C. J. SANDER.

A Good Advertising Medium.

We have in our possession fifty leading poultry papers and find yours the best-made-up paper of all to our judgment, and a good advertising medium, and will renew our ad. with you.

Washington, N. J. BLOOMFIELD & Co.

Valuable Customers.

Please insert in your next issue the inclosed ad. and run same three months. We have several valuable customers obtained through a former similar ad. in your paper, which we are glad to see improving so rapidly.

Richmond, Va. HANOVER POULTRY YARDS

The Finest Published.

THE FEATHER is without doubt the finest poultry paper published. The illustrations, typographical make-up, and press work are above criticism.

STUARD K. TODD,
East Palestine, Ohio. The Revielle Echo Co.

Did More Business.

This season have only carried two ads., yours and *Pigeon News;* this time last year I had seven running, but have done more business with the two up to date than I did with the entire seven last season.

Philadelphia, Pa. G. R. BAYLE.

We Feel Complimented.

The copy I received to-day is the first I have ever seen of your paper and I congratulate you heartily upon two things. 1st, and the one which always makes a deep impression and counts, is its typographical appearance, neat, attractive, and well put up. From a mechanical standpoint it is as fine a paper as I have yet received as a poultry publication. 2nd, your articles are instructive; the March issue has two exceedingly good articles, first "The Diseases of the Crop," and again the article on "Nests for Sitters," is so plainly written that my twelve-year-old boy can grasp your idea at once. I congratulate you. Long live THE FEATHER!

Wilkes-Barre, Pa. J. W. RAEDER.

Clean Eggs.

Eggs should be washed before being sent to market, as clean eggs are not only much more attractive than dirty ones, but bring a far better price. An easy and convenient method of cleaning eggs that have come dirty from the nest is to place them in a handy dish and pour warm water over them, increasing the heat up to about blood heat. This will dissolve any dirt that may be on the egg without rubbing. Lay a linen cloth folded over several times on a table near the dish, and as the eggs become clean take them out of the water and place them on the cloth. The water will quickly drain from them and the cloth will absorb it, obviating the possibility of stain on the under side of the eggshell. The eggs being hot will dry of themselves and the shell will naturally assume that bright, fresh appearance seen in the new-laid egg. Badly-stained eggs that will not yield readily to the above process may be dipped in vinegar for a minute, when they will be as easily cleaned as the others.

Our Bilious Critic.

We are distressed to observe that after reading the August number of THE FEATHER, the editor of *Farm-Poultry* had one of those horrible bilious attacks for which he is becoming more or less notorious. A person who makes himself so very conspicuous is to be pitied when his discretion is entirely overbalanced by his egotism, his passions, and his liver; but his hysterical ebulition of temper has this time led him into exaggerations of language which will come back to plague both him and his employers. We have no disposition to enter into a prolonged controversy with this irascible individual, and after briefly answering the charges of "total depravity" and "moral obliquity" which he makes the little incident will be closed so far as we are concerned. The space of THE FEATHER is too valuable to be very largely devoted to people of his size.

He begins with a complaint that the first information he received of the issue of Bulletin No. 51 came through THE FEATHER of April 15th! No doubt this was a great trial to him, but if he will continue to read THE FEATHER regularly we assure him it will not be long before he will become quite accustomed to getting most of his information concerning poultry matters through that channel. We can see how it might have been somewhat of a shock to him at first to receive his news through so modest a sheet, but we fail to see why he should raise such a row over the inevitable.

After this complaint he prints some sentences which are too rich to be lightly passed over. We quote literally:

"*Farm-Poultry* is still waiting patiently for its complimentary copy of Farmers' Bulletin, No. 51. Nearly all the State experiment stations send us their bulletins without special request as soon as issued. The copy of Bulletin 51 which we have was sent on request to the private address of a person connected with the paper. Now, if we are in error in supposing that copies were sent, unsolicited, to the press generally, we wish to be corrected; but if we are not in error we desire to say that the author of the Bulletin, to use slang parlance, gives himself away when he tells his readers of THE FEATHER: 'To be frank, we did not expect *Farm-Poultry* would approve of the plan of the Government issuing and distributing such literature, nor did we expect that any publications of this class would find favor in its columns.' That makes it appear that the author of the bulletin anticipated our criticism, and for the purpose of postponing or preventing it, no copy was sent us."

We were not aware that such dense ignorance reigned in the sanctum of *Farm-Poultry*. Probably on account of the editor having been "abroad so much, don't you know," he has forgotten how affairs are managed in this country. We will refresh his memory by stating that in the Department of Agriculture there is a Division of Publications which handles and edits all manuscripts, reads all proof, and distributes all documents. Mr. Howard has never had anything to do with such distribution and has not the faintest idea to whom they were sent. His duty ended when he delivered the manuscript and the pen drawings of the illustrations to the department. THE FEATHER begs to express its sympathy with its esteemed contemporary which has been so shamefully neglected, and adds the assurance that if it had been informed earlier it would have been pleased to furnish a private copy by special delivery. We fear the editor of *F.-P.*, in devoting so much of his time to other people's business, has neglected to inform the Department of Agriculture of the address of his publication and consequently the periodical has failed to be entered upon the mailing list.

Again, our contemporary is troubled because we intimated that the Government would issue "further publications of similar character," and adds: "We presumed as much. It was natural to infer that the *expert* would be expected to do something to earn his salary. And what else can he do?"

Well, he can edit a paper that attracts considerable attention at the office of *Farm-Poultry*. This is one thing that he has demonstrated his ability to do. We will now give Mr. Hunter another bit of information which may serve to cheer him up to some extent. The statement published in *Farm-Poultry* that Mr. Howard had been appointed to a permanent position in the Department of Agriculture, and to which allusion is evidently made above, resembles some other things which have appeared in that journal in being to a great extent inaccurate. Mr. Howard has not applied for a position and would not accept one if offered. He prefers to devote his time to THE FEATHER. He consented to prepare Bulletin No. 51 and was paid for the time which was put upon it. There was, however, no thought upon either side of a permanent engagement.

Again, it is charged that the front cover of the August FEATHER was adorned with an advertising idea, imitated from the editorial page of *Farm-Poultry*. We beg our distinguished friend's pardon; there was not an advertising idea on either the cover of the August FEATHER or upon the editorial page of *Farm-Poultry* which was not old long before that paper was born.

All of the charges which have been reviewed above are silly twaddle—about what would be expected from childhood or senility. If they were true there would be no occasion for such ravings, and, as it is, their only value is to give the measure of the man who makes them.

There is a more serious side to all this matter, however, than has so far been mentioned. These attacks show all too plainly that if a man attempts to aid the poultry industry, and in so doing interferes with the profits of those individuals who have fastened their grip upon that industry and who seem to think its very life-blood is theirs, there is no abuse too vile, no slander too absurd to be hurled at him. The *Country Gentleman* began by calling the illustrations of Bulletin 51 caricatures of the breeds represented. When it found this line of criticism untenable, it took the opposite tack and tried to show that they were copied. In this it has been followed by *Farm-Poultry*, the editor of which rolls his eyes in holy horror and shouts plagiarism until he is hoarse. He even quotes from the text to show that the author got his "inspiration" in writing the history and description of the Sultans from an article which appeared in the *Poultry World*. Very well, admitting, for the sake of argument, all that is claimed, does any one think that Mr. Howard should have invented new histories and new descriptions of breeds which various authors have treated exhaustively? Is it not a common practice in writing popular publications to condense and revise such matter from the various sources where it can be obtained without giving any one credit? In fact, is it not impossible, without spending more time in research than most people can afford, to trace such matter to its original source? To prove the affirmative of these propositions we shall quote from one of *Farm-Poultry's* latest publications, picked up at random, and show plagiarism more extensive and with less justification than can be discovered in the much-discussed Bulletin No. 51. Does *Farm-Poultry* propose to set up one standard of morality for Mr. Howard and an entirely different one for itself?

Compare carefully the following parallel passages:

From "TheFarm-Poultry Doctor."	The "inspiration" as found in "The Diseases of Poultry" by J. Woodroffe Hill, F. R. C. V. S.
"PERITONITIS. "This is an inflammation of the membrane lining the abdomen, and covering the various organs that it contains, and it is a common cause of death. "Violence from outside the body produces this disease sometimes, but the usual cause is rupture of the egg passage or blood vessel, and pus in the cavity from an abscess. "SYMPTOMS—The bird is very hot, the temperature ranging from 103 to 107 degrees; is restless; 'the abdomen is full, hot, and tender;' pain is intense. As the disease progresses the bird falls on one side, and the legs are drawn up close to the body. Breathing is rapid and the breath is hot." Page 27.	"PERITONITIS. "Peritonitis or inflammation of the serous membrane which lines the abdomen and invests the viscera, is not unfrequently a cause of death in poultry. "*Causes*—External violence, as kicks, crushes, worrying, and punctured wounds, are productive of peritonitis; but, in the majority of post-mortem examinations, I have found it due to the presence of blood, pus, or egg in the abdomen, from rupture of a blood vessel, abscesses, or egg—especially the latter, when associated with rupture of the oviduct. In such cases acute peritonitis follows. "*Symptoms*—These are much the same as those portrayed later on in inflammation of the egg-passage [the temperature will be found high, frequently 105 to 107 degrees, p. 65]; there is also considerable restlessness, the bird continually moving about; the abdomen is full, hot, and tender. Often toward the last the sufferer lies on its side, and the limbs are drawn spasmodically up. Sometimes there is green vomit, the breathing is increased, and the expirations are hot." Pages 73 and 74.
"VENT-GLEET. "This is an inflammation of the last two inches of the bowel—the expanded portion that receives both fecal and urinary discharges—resembling a certain venereal disease, and is contagious. "SYMPTOMS—The first to be observed is a frequent contraction of the end of the bowel, as if something was there that the bird wished to get rid of. Examining the bird, the red membrane is seen to be hot, dry, and swollen. In a day a discharge begins to appear, at first whitish, then yellow, and bad smelling. This dries around the vent and diminishes the opening." Page 29.	"CLOACITIS (Vent-Gleet) "An offensive discharge from the vent, due to inflammatory action in the mucous membrane lining the 'Cloaca,' *i. e.*, the chamber or pouch connected with the rectum, and also into which is received the urinary and genital ducts. "It is, I am of opinion, of a venereal type, strongly resembling gonorrhœa, commencing usually in the cloaca and extending to the urinogenital passages. This malady is contagious. "*Symptoms*—The earliest to be observed are fullness, heat, and redness about the vent, accompanied by frequent spasmodic contractions of the sphincter at the outlet. Then a milky discharge commences which soon becomes purulent and offensive, and, caking around the margin of the vent, blocks up to a considerable extent the passage." Page 35.
"DIPHTHERIA. "Diphtheria is a dan-	"DIPHTHERIA. "This highly contag-

gerous and quite fatal disease. It is contagious, being given by one bird to another, directly or through the medium of the food or drinking water. The 'canker' seen at the Winter shows is a mild form of diphtheria. . . . .

"SYMPTOMS—Diphtheria, when first noticed, shows itself by great depression of spirits accompanied by signs of catarrh. The feathers are ruffled, the bird looks sleepy, the neck is held as if it was stiff. In a day or two there is a slight discharge from the nostrils, and a sticky fluid from the mouth. Looking into the mouth, it will be found partly full of the sticky fluid, with string-like pieces mixed with the fluid, especially toward the back of the throat. As time goes on the fluid becomes more thick and strong smelling. The back of the mouth and all the throat are at first bright red, then purple, in those places not covered by the membrane. As in the human throat in diphtheria, so in that of poultry, any attempt to remove or pull off the thick leader membrane leads to bleeding. This membrane increases in size, and finally runs together, shutting closely the opening of the larynx, causing by suffocation the death of the bird.

"These cases take from five to fifteen days for a full run of this disease. If a case improves there is some trouble for several days in swallowing food, and quite often the bird loses the use of legs and wings for weeks." Page 11.

ious and fatal disease is, unfortunately, becoming more common in poultry runs, and yearly carries off many valuable birds. There is no doubt that the so-called 'canker,' or 'ulceration,' is of a diphtheritic nature. . . . .

"*Symptoms*— Diphtheria usually commences with general depression and debility, followed by catarrhal indications. The plumage is ruffled, the wings drooped, and the bird appears drowsy. When feeding a peculiar constrained action may be observed, as if the neck were stiff; there is also difficulty in swallowing. Soon the eyes and nostrils discharge a sanious liquid, and a sticky material issues from the corners of the mouth. Upon opening the latter, an abundance of this sticky matter, often mingled with shred-like particles or specks, will be found toward the throat. As the disease proceeds, the secretion alters in character, becoming thicker and offensive. The throat is of a deep purple, or leaden hue, in those parts not covered by deposit, and, if the latter is removed, ulceration will be seen established underneath, and bleeding readily occurs. The stench from the mouth at this period is very foul. Ultimately the true diphtheritic or false membrane forms, completely closing the glottis and larynx, and suffocating the bird, which by this time has usually become emaciated and exhausted.

"Diphtheria usually runs its course in from seven to fourteen days, and, in those cases which recover, there for some time exists a difficulty in swallowing, a tendency to vomit, a feeble heart-beat, and a drowsy condition, whilst occasionally the bird appears paralytic." Pages 40 and 41.

We could go on quoting parallel passages indefinitely, but have not the space.

Our critic says that, "Mr. H.'s moral obliquity is past comprehending. He is apparently unable to see anything wrong in a government granting copyrights and then allowing its employees to infringe on them, and can only see a 'sordid consideration' and a spirit of commercial intolerance in our assertion that the publishers of copyrighted books have a right to demand that the government poultry expert either find the material for his bulletins outside of the books to which the government has assured copyright protection, or at least give credit where credit is due." We have shown the kind of material which *Farm-Poultry* puts in its copyrighted books and for which it demands government protection or credit. No doubt it would be a "soft snap" for some publishers if they were allowed to copyright facts of common knowledge and could obtain government protection which would forever afterwards force the entire poultry industry to pay tribute to them for what they have appropriated. The government, however, is not in that kind of business—it is supposed to be conducted for the benefit of the many rather than of the few; and in distributing simple and elementary information concerning the breeds of poultry it has neither violated copyrights nor infringed upon any individual's rights. The exaggerated and unwarranted language of *Farm-Poultry* will we believe be generally ascribed to views perverted by commercial interests and dyspepsia. Having worked the poultry industry, for all that it is worth, for years with pills, powders, liniments, and little pamphlets at big prices, until it has apparently concluded that it owns this industry, it has become intolerant and now brazenly takes the position that not even the general government has the right to distribute information without its consent. In such a ridiculous course it will neither make any impression upon the poultry industry nor upon the government. It has swelled up like a toad with anger and may burst its skin, but it alone will suffer. The welfare of the poultry industry as a whole is of more consequence than that of any individual concern, and even if our contemporary continues to make a spectacle of itself, THE FEATHER will be found laboring as heretofore to relieve our industry from the grip of avarice and commercial intolerance. If *Farm-Poultry* can prevent the distribution, for the benefit of the poultry raisers of this country, of such elementary information as that contained in Farmer's Bulletin, No. 51, it is time for those engaged in breeding poultry to stop and consider whether it is not time for them to take a hand in this little game.

As to the illustrations, every one was made from a pen drawing by Mr. Howard and he had a perfect right to put his name upon such drawings. Some of these drawings were made from original sketches, some from photographs, and a few from portraits by other artists. The latter were only used in those cases where for lack of time photographs or sketches could not be obtained. Mr. Howard had no right to put the name of Mr. Sewall or any other artist upon such drawings, particularly as the artistic work and the outlines were modified to suit his individual ideas. He might have had printed under each drawing a full explanation, but it was uncalled for and would have appeared pedantic in a brief popular pamphlet. The case is exactly the same as where an artist makes a drawing from a photograph. There is just as much call for the artist to print a legend under such a picture explaining that the drawing is by Mr. India Ink after a photograph by Mr. Snap Shot as there was call for credit with any of the pictures in Bulletin No. 51. Is it the custom for artists or poultry papers to give such credit? *Farm-Poultry* knows that it is not, and that it is as a rule only in pretentious volumes and exhaustive monographs that such attempts are made. When it complains about the failure of the Government to protect publications upon which copyright has been granted, the whole case is given away. If any one threatens to interfere with its selling pamphlets at the rate of forty-eight pages (largely copied from other books) for 50 cents, its anger knows no bounds. Let *F.-P.* practice what it preaches, give due credit for what it appropriates, and it will no longer be open to the charge of hypocrisy and may, perhaps, find less difficulty in persuading others that this is the proper course to pursue. If Mr. H. did borrow some of the information in the bulletin mentioned, he did not follow the example set by *F.-P.* and copyright it for his individual profit; on the contrary, he put it where those interested in poultry could obtain it without money and without price.

Mt. Gretna's Show.

The show season of '97 and '98 opened at Mt. Gretna, Pa., August 16-20. The pleasures of this occasion were many indeed and the Summer-time poultry show, which was at one time considered almost an impossibility, has indeed, proven a triumph in the show world. The character and quality of the exhibit were, in fact, equal to our later shows. It was astonishing to note the great improvement in the stock exhibited this year as compared with that of a few years back. The pace has been set at Mt. Gretna and if this is a criterion, we may with reason expect startling revelations in the show arena the coming season. Birds that were awarded first place two years ago would hardly have been placed this year. The art of breeding standard poultry has been advanced greatly in this time, and the improvement in quality of the stock is noted on every hand. This was indelibly impressed upon us at Mt. Gretna's display, and we look with impatient expectancy toward the coming events.

To the superintendent, Mr. M. B. Blauch, all credit is due; the fraternity at Mt. Gretna appreciated his untiring devotion to his work, and his courteous and gentlemanly treatment of all present. It was a pleasure to be with so amiable a person as he, and the superb display of standard thoroughbred poultry that he had assembled at beautiful Mt. Gretna park.

The large building devoted to the poultry exhibit was crowded to its utmost capacity, fully 2,000 birds being on display. The classes were well filled, and all varieties were shown. As has been previously stated the quality was of a high order, and the judges were free to express their appreciation of this fact. The more popular varieties were exhibited in large numbers, ninety-four single entries and nine exhibition pens were shown in Barred Rocks; White Rocks had twenty-eight entries, and Buff Rocks were represented by fifty-four single entries and six exhibition pens.

Wyandots were out in good numbers; twelve entries of Silvers were shown, thirteen of Goldens, forty-one of Whites, and fourteen of Buffs. Brahmas, Light and Dark, were sixty-five in numbers; Langshans were twenty-five, and Cochins, all varieties, numbered about seventy-five. Leghorns were strong, about 150 entries being made in all varieties. Polish and Games were well represented, and all varieties of Bantams were to be seen. Scattered around the building were some splendid displays of pigeons. Water fowl and turkeys were very scarce, no entries of any consequence being shown.

We regret that space will not permit us to publish the full list of awards, but for the benefit of our readers we publish below a list of our advertisers who were exhibitors and the awards they received. The list is as follows:

A. C. Treichler—Silver Sebright Bantams, 4 cock, 2 and 3 hens, 1 and 2 cockerels, 1 and 2 pullets.

B. C. Thornton—B. B. Game Bantams, 2 hen, 1 pullet; Brown Red Game Bantams, 1 hen 2 pullet; Golden Duckwing Game Bant., 1 cockerel, 1 pullet; Silver Duckwing Game Bant., 1 cock, 2 hen, 1 cockerel, 2 pullet.

W. H. Heimbach & Co.—White Leghorns, 3 and 4 cocks, 2 and 3 hens; Black Leghorns, 1 and 2 cocks, 1 hen, 4 cockerel, 3 pen; Dominique Leghorns, 4 hen, 4 pullet; Silver Duckwing Leg-

horns, 2 cock, 1 and 2 hens, 1 and 2 cockerels, 1 and 2 pullets.

Uplands Poultry Yards — Barred Plymouth Rocks, 2 cockerel, 3 pen; White Wyandots, 3 hen, 2 pen; Light Brahmas, 2 hen; Partridge Cochins, 1 and 2 cocks, 1 and 2 hens, 1 cockerel, 1 and 2 pullets; Brown Leghorns, 4 pullet, 4 pen; Silver Gray Dorkings, 1 cock, 1 hen, 1 and 2 cockerels, 1 and 3 pullets.

Geo. W. Kinzer—Cornish Indian Games, 1 pen.

F. G. Bean—Buff Plymouth Rocks, 3 cockerel, 2 pen; White Wyandots, 2 cock, 1 hen; Buff Wyandots, 2 cockerel, 4 pullet, 1 pen; Black Langshans, 1 and 3 hens; White Langshans, 1 cock, 1 hen, 1 cockerel, 1 pullet; Buff Leghorns, 3 and 4 cocks, 2 and 3 cockerels, 4 pullet; Houdans, 1 hen; Sherwoods, 1 cock, 1 hen, 1 cockerel, 1 pullet; White Frizzles, 1 cock, 1 hen, 1 cockerel, 1 pullet; Mottled Anconas, 1 cock, 1 hen, 1 cockerel, 1 pullet.

L. B. Minich & Son—Silver Wyandots, 1 cock, 2 hen; Light Brahmas, 1 cock; Dark Brahmas, 3 and 4 cocks, 1 and 3 hens, 4 cockerel, 1 and 3 pullets; Golden-spangled Hamburgs, 2 cock, 2 hen; Golden-penciled Hamburgs, 1 cock, 1 hen; Silver-penciled Hamburgs, 1 cock; Black Hamburgs, 1 cock; Red Caps, 1 cock, 1 and 3 hens.

J. W. Bruckart—White Plymouth Rocks, 1 pen; Buff Plymouth Rocks, 1 pullet; Partridge Cochins, 2 cockerel, 3 pullet; Brown Leghorns, 2 hen, 1 pen; White Leghorns, 1 cock, 4 hen, 4 pen; Black Minorcas, 4 cockerel, 4 pullet; Golden Polish, 3 cock, 2, 3, and 4 hens, 1 and 2 cockerels, 1 and 2 pullets; Silver Polish, 2 cock, 2 cockerel, 2 pullet; White Polish, 2 cockerel, 2 pullet; White-crested Black Polish, 1 and 2 cockerels, 1 pullet; Bearded Golden Polish, 4 hen, 2 cockerel, 2 and 3 pullets; Bearded Silver Polish, 2 cock, 1 cockerel, 1 pullet; Bearded White Polish, 2 cock; Buff-laced Polish, 3 cock, 3 and 4 hens, 1 and 2 cockerels, 2 and 3 pullets; Golden Spangled Hamburgs, 3 hen, 2 pullet; White Hamburgs, 4 cock, 2 and 3 cockerels, 2 and 3 pullets.

H. A. Logue—Buff Cochins, 1 cock, 1 cockerel, 3 pullet.

John Ridgely of H.—Barred Plymouth Rocks, 3 cockerel, 4 pen.

Jas. Mayo—Silver Spangled Hamburgs, 2 cock, 2 and 4 hens; Black Hamburgs, 3 cockerel.

W. W. Kulp—White Plymouth Rocks, 1 and 3 cocks, 1 hen, 1 and 3 cockerels, 1 and 2 pullets; Brown Leghorns, 1 and 3 cocks, 1 and 3 hens, 4 cockerel, 1 pullet; R. C. Brown Leghorns, 2 cock, 1 and 3 hens, 2 cockerel, 1 pullet; Buff Leghorns, 3 pullet.

Chas. T. Cornman—Black-breasted Red Game, 1 cock, 2 hen, 1 and 2 pullets; Brown Red Game, 1 and 2 cocks, 1 and 2 hens; Golden Duckwing Game, 1 cock, 1 hen; Silver Duckwing Game, 1 hen; Red Pyle Game, 1 hen, 1 cockerel; White Indian Game, 1 and 3 cocks, 1 and 2 hens, 1 pullet; Black-breasted Game Bantams, 3 cock, 3 hen, 1 cockerel; Brown Red Game Bantams, 1 cock, 2 hen, 3 pullet; Golden Duckwing Game Bantams, 1 cock, 2 hen, 2 cockerel; Red Pyle Game Bantams, 1 cock, 1 hen, 2 cockerel, 4 pullet; Silver Duckwing Game Bantams, 1 hen, 1 pullet; White Game Bantams, 1 cock, 2 hen; Black Game Bantams, 2 cock, 2 hen; Birchen Game Bantams, 2 cock, 1 hen, 1 cockerel; Red Malay Game Bantams, 2 cock, 2 hen; Golden Sebright Bantams, 3 cockerel, 2 pullet; Silver Sebright Bantams, 2 cock, 3 cockerel, 3 pullet; R. C. Black Bantams, 2 and 3 cocks, 2 and 4 hens, 3 cockerel, 2 pullet; R. C. White Bantams, 1 and 2 cocks, 3 and 4 hens, 1 and 2 cockerels; Buff Cochin Bantams, 3 pullet; White Cochin Bantams, 4 cock, 4 cockerel; Black Cochin Bantams, 4 cock, 4 cockerel, 1 pullet; White Japanese Bantams, 1 and 2 cocks, 3 hen, 2 pullet; Black Japanese Bantams, 4 hen; Dark Brahma Bantams, 1 cock, 1 hen; Booted White Bantams, 1 and 2 cocks, 1 and 2 hens, 1 cockerel, 1 pullet; White-crested White Polish Bantams, 3 cock; White Frizzle Bantams, 1 cock, 1 pullet; White Silky Bantams, 1 cock, 1 hen.

W. H. Overbaugh, Jr.—Barred Plymouth Rocks, 1 cock, 1 and 3 hens.

Vallie Hawkins—Barred Plymouth Rocks, 2 cock, 2 hen, 1 and 4 cockerels, 1 pen.

F. Borman—Golden Wyandot, 1 cockerel, 3 and 4 pullets.

Joe Farmer—Barred Plymouth Rocks, 3 pullet.

A. P. Ingram, Jr.—Buff Plymouth Rocks, 1 pen; Buff Cochins, 2 and 3 cocks, 3 and 4 hens, 2 cockerel, 2 pullet, 4 pen.

Clifford W. Beman—Buff Plymouth Rocks, 3 hen, 2 pullet, 3 pen; Golden Wyandots, 1 hen; R. C. Brown Leghorns, 4 hen; Buff Leghorns, 1 and 3 hens, 4 cockerel, 2 pullet, 1 pen.

J. H. Scherer—Brown Leghorns, 4 cock.

Wm. C. Denny—Buff Plymouth Rocks, 3 cock, 1 hen.

Lynnhurst Poultry Yards—Buff Cochins, 4 cock, 1 and 2 hens, 3 cockerel, 1 and 4 pullets, 1 and 2 pens; Partridge Cochins, 3 cock, 4 hen; White Cochins, 2 cock, 2 and 3 hens, 1 cockerel, 1 and 3 pullets, 1 pen; Black Cochins, 1 and 2 hens, 1 cockerel, 1 and 2 pullets; Buff Cochin Bantams, 1 cock, 1 hen, 2 cockerel, 1 and 4 pullets; White Cochin Bantams, 3 cock, 2 hen, 1 cockerel, 1 pullet; Black Cochin Bantams, 1 and 2 hens; White Japanese Bantams, 3 and 4 cocks, 4 hen, 2 and 3 cockerels, 3 and 4 pullets; Black Japanese Bantams, 1 and 3 cocks, 1 and 3 hens, 2 and 3 cockerels, 1 and 3 pullets; Gray Japanese Bantams, 2 cock, 1 and 2 hens, 1 and 2 cockerels, 1 and 2 pullets.

Orr's Poultry Yards—Golden Wyandots, 2 hen; White Wyandots, 3 pen; Buff Wyandots, 2 and 3 cocks; Buff-laced Wyandots, 2 cock, 2 and 3 hens; Dark Brahmas, 1 cock; Black Langshans, 1 cock; White Leghorns, 2 pen; Buff Leghorns, 2 and 4 hens; Black Spanish, 1 cock, 3 hen; Black Minorcas, 2 pen; White Minorcas, 1 cock, 4 hen; Silver Polish, 1 cock; White Polish, 3 cock, and 3 hens, 1 cockerel, 1 pullet; White-crested Black Polish, 1 hen; Bearded Golden Polish, 1 and 2 hens; Bearded Silver Polish, 2 and 3 hens; Bearded White Polish, 1 and 3 hens; Buff-laced Polish, 4 cock, 1 and 2 hens; Houdans, 2 cock, 4 hen; Cornish Indian Games, 2 cock, 2 hen; White Indian Games, 2 cock, 3 hen; Silver Duckwing Game Bantams, 2 cock, 3 hen; White Game Bantams, 4 hen; Golden Sebright Bantams, 1 cock, 1 hen, 2 cockerel, 3 pullet; Black Cochin Bantams, 3 hen; Black-tailed Japanese Bantams, 3 cock.

Pennsylvania Poultry Association.

On Thursday, August 19, 1897, at Mt. Gretna, Pa., the Pennsylvania Poultry Association was organized under very favorable circumstances.

The meeting was called to order by Mr. M. B. Blauch, as temporary chairman, assisted by Mr. Chas. T. Cornman as temporary secretary. The temporary chairman then stated that the object of the meeting was to perfect a permanent State organization, for the advancement and encouragement of the poultry interests in the State, and the holding of an annual exhibition under the direction and supervision of the State Association. About ninety gentlemen joined the association at its organization. By an aye and nay vote it was resolved to proceed to a permanent organization. The election of officers resulted as follows: President, J. D. Nevius; first vice-president, August D. Arnold; second vice-president, Dr. E. H. Witmer; treasurer, G. M. Wood, and secretary, Chas. T. Cornman.

Mr. Nevius on taking the chair made an elaborate address on the objects and aims of the new association, and pledged his support and endeavors in furthering these objects. Both he and Mr. Blauch were enthusiastic about holding a grand Winter show at such center in the State as may hereafter be selected. This was concurred in by all present, and it was decided to elect an executive committee of twenty-four, from members in different sections of the State with this object in view. The committee elected was as follows: The five officers of the association and Messrs. M. B. Blauch, James Mayo, Edward F. Miller, H. M. Shoemaker, W. T. Wittman, F. G. Bean, W. K. Kendig, W. W. Kulp, —— Wise, J. H. Scherer, L. P. Graham, E. S. Hickman, J. W. Hewston, S. C. Beitzel, W. M. Minich, S. J. Kurtz, Vallie Hawkins, H. J. Shetler, and A. C. Treichler.

The executive committee decided to meet at Carlisle, September 30, 1897, and draft the constitution and by-laws. Mr. Blauch, acting as temporary chairman of the executive committee, appointed Mr. H. M. Shoemaker temporary secretary for the committee.

The meeting adjourned subject to call of the president.

Feeding for Eggs.

The question of feeding for eggs is probably the most important one under consideration in the Winter season. In considering this factor in poultry raising the cost of the feed must be kept prominently in the foreground. It may be possible to fatten turkeys on imported chestnuts at $8.00 per bushel and produce the finest meat in the market, but unless the grower can receive more than fifteen cents per pound for the turkeys he will not gain much by the high feeding. So with the egg raiser. If he must pay more for the food given to increase egg production than the eggs will bring in the market his work will count for nothing. When a breeder of fine poultry advocates canary seed for egg production in hens he is not giving the best of practical advice. With the present prices for canary seed, the poultryman would never get enough extra eggs to pay for such high-priced food.

Cheap food, or food that can be prepared beforehand at a reasonable cost, can be had on any farm, and it is more a question of looking ahead a few months. There is no doubt that egg producing taxes the strength of the chickens in cold weather, and in order to keep them in good health it is necessary to feed in two ways. One is to feed for heat and strength, and the other is to supply the natural constituents of which an egg is composed. Generally food that contains the egg constituents will have enough fat and heat-producing substances to answer both purposes. If not, food of this nature must be given in addition.

To begin with, analytic chemists tell us that the white of an egg is composed of alkalies, potash, and soda. The yolk contains a larger percentage of phosphoric acid and lime. The two together thus contain all of the above constituents. The proportions of these ingredients are very different, however, but the chief thing to take note of is that lime, nitrogen, and phosphoric acid are by all odds in the greatest abundance.

Here we have the very mineral elements we must feed to the hens to make them produce an abundance of eggs in Winter. This has no reference whatever to the hen's general strength-producing foods, nor to those that yield animal heat to resist the cold. Now green bones probably contain a larger proportion of the egg ingredients than any other one substance. They are rich in phosphoric acid, albumen, and phosphate of lime. When cut and pulverized by heavy mills the hens can digest and assimilate this material so easily that it readily passes into the formation of egg shells. The work of elaborating shell for the eggs is thus made purely mechanical, and does not draw upon the bones and tissues of the hens. In addition to this the green bone helps to make the inside of the shells, and when fed in the right quantity they produce excellent results.

A mixed diet of other things must supplement the green bone food, and chief among these ingredients for producing eggs, heat, and strength are oats, wheat, buckwheat, vegetables, clover, meat scraps, crusts of bread, etc. All of this variety helps the general strength of the birds, and gives them heat enough to resist cold. The hens that are laying should be given a liberal ration just before retiring at night. In the morning let the chickens roam around a little to pick up what they can find. The exercise will do them good. Then feed them a liberal breakfast, and keep them in warm, sunny houses. Nature will do the rest.—*Germantown Telegraph.*

Chicken Chatter.

The more active the breed the less it is liable to fatten.

The variety that suits your fancy is the best one for you to breed.

You will save money if you prevent disease; to cure disease costs much more than it does to prevent it.

When running an incubator be sure you run it properly; it is a machine that will do its work, but its must not be neglected.

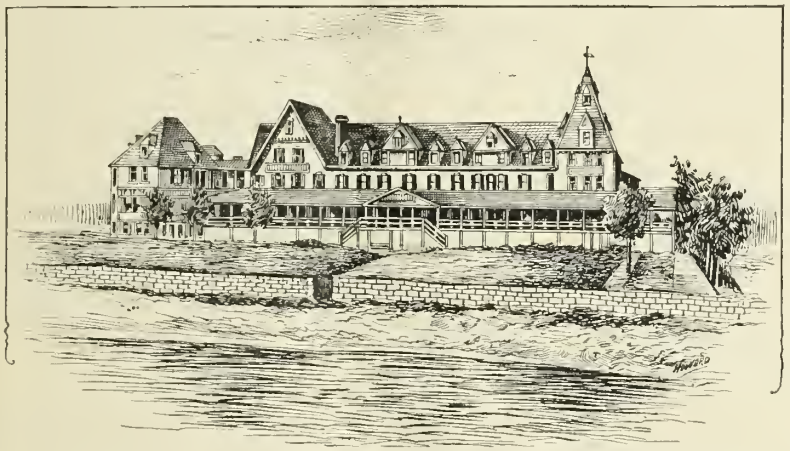
Nests should be low; when they are high the birds are likely to break the eggs or injure themselves when flying to or from them.

The Standard Revised.

Beautiful Fisher's Island was the meeting place of the committee on the revision of the Standard of Perfection. A better place for such an event would have been hard to find. The scenery was grand and everyone present was delighted at the arrangements of entertainment. Mr. J. F. Crangle, upon whose solicitation the committee met at this place, is deserving the united praise of those in attendance. His courteous treatment and untiring attention to the wants of his guests will always be pleasantly remembered. Fisher's Island is one of the prettiest of our Summer resorts; it lies about nine miles off from New London, Conn., in Long Island Sound, and is reached by the steamer "Munnatawket." The headquarters and meeting-rooms of the committee were at the Munnatawket Hotel.

There were twelve members of the committee present, as follows: Arthur R. Sharp, Philander Williams, George O. Brown, H. S. Babcock, J. Y. Bicknell, B. N. Pierce, J. H. Drevenstedt, F. B. Zimmer, A. F. Pierce, Theo. Hewes, T. F. McGrew, and J. F. Crangle. Those absent were James Forsyth, Sharpe Butterfield, and H. A. Bridge. The visitors present were H. V. Crawford, Henry Hales, E. B. Thompson, and George E. Howard. Miss Anna E. Brennen, Baltimore, Md., was also present, accompanied by Miss Brown, daughter of ex-President George O. Brown.

The preliminary work of the committee began bright and early on Monday morning, August 30th, with the chairman, Mr. Arthur R. Sharp, assisted by Messrs. Theo. Hewes, Philander Williams, and J. F. Crangle. These four gentlemen did much to expedite the work, and they labored incessantly from morning until midnight arranging and classifying the voluminous amount of correspondence that had been sent in by breeders throughout the country.



The Munnatawket Hotel, headquarters and meeting place of the committee.

THE FEATHER has on several occasions expressed editorially its confidence in the ability of the committee to perform the task assigned them, and has every reason to believe that this confidence has been verified within the last week. It was a most representative meeting of poultrymen; the careful, concise, and practical consideration of revising the Standard of Perfection could not have been placed in better hands than theirs, and we believe their report to the parent organization will be a revelation to all and a demonstration of the wisdom which guided their efforts in the work of presenting a standard to the American public such as never before existed. The chairman of the committee, Mr. Arthur R. Sharp, is one of the best organizers in the association, and his ability for the work was all that could be wished for. He appreciated the importance of the work that he had in charge, and every detail was arranged to a nicety by him. He is entitled to every praise for his valuable work as chairman of the committee.

The committee by resolution has given out the following official report for publication:

FISHER'S ISLAND, N. Y., Aug. 31, 1897.

The revision committee of the American Poultry Association was called to order at Fisher's Island, N. Y., Tuesday morning, August 31st, at 10:00 A. M., Mr. A. R. Sharp in the chair. An address of welcome was delivered by Mr. Sharp which bespoke a sentiment of fraternity to poultry breeders of the whole country.

The members of the committee present were divided into sub-committees. A number of these sub-committees reported Tuesday night.

In Ducks and Geese but few changes were reported; the changes made were simply improvements in the general wording. The committee on Turkeys reported a few general changes on all varieties, which were promptly accepted.

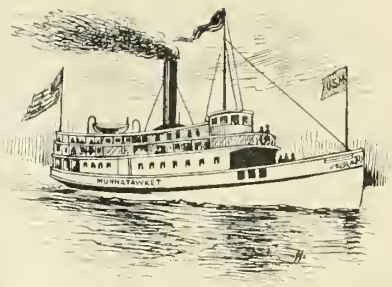
Committee on Cochin and Cochin Bantams submitted their report, which contained the revised standard as presented by the Cochin Club, with some changes made therein to more fully meet the desires of the breeders at large. The committee has plainly designated what foreign colors will disqualify in all breeds. Cochin Bantams will in form and color be a counterpart of Cochins.

The report on Barred Plymouth Rocks is considered by all to be one of the best yet presented for this variety; the number of bars on each feather in the different sections of the bird are now specified.

But few changes have been suggested for Games and Game Bantams or other Bantams. The main changes are simply to make the Standard more plain in the most prominent parts of these varieties.

An Oriental Class has been formed; Sumatras, Indian Games, Malays, and Malay Bantams have been transferred thereto.

Slight changes in Light Brahmas, regarding the requirements of neck-hackle and wings, have been made, which will, however, not interfere with present requirements in mating for results.



THE "MUNNATAWKET."

In Games and Game Bantams slight color changes have been made. On some Bantams other than Game, a change in disqualifying weights and slight color changes are recommended.

Java Standard changed so as to make a more marked difference in their shape as compared with Plymouth Rocks.

The changes recommended for Hamburgs simply make the Standard more positive and plain as to the color and marking of these varieties.

A few changes recommended for Dorkings, Hamburgs, Polish, and miscellaneous varieties, but nothing of a marked character except in Frizzles.

Hamburgs—The disqualifying will be more severe in ear-lobes than formerly; the bars and spangles will be held more rigidly to perfect coloring, and the breast and wings of the Silver-penciled males will be required to conform to the marking of the female.

Dorkings—A few changes are suggested in shape and color to more closely conform to the requirements of the breed.

Minorcas—More rigid disqualifications are suggested for ear-lobes; weights unchanged.

Standard weight for Minorcas remains the same. Some few changes are suggested at the request of prominent breeders.

Very few changes in Wyandots are suggested, except in Golden and Silver males, where there are slight changes in color of body and thighs.

It is recommended that the weight of Langshans be increased.

On Brown Leghorns the color is somewhat changed in males to improve the general color and the penciling of neck and saddle, and in females to make more definite the color of back and wing-bows.

Slight changes were made in Black Spanish and Andalusians.

The French varieties will remain as heretofore.

Slight changes are suggested for Polish other than to simplify and more carefully and definitely describe all these standard requirements.

The color for all buff breeds is recommended to be the same; no color disqualifications for buff breeds.

The committee has recommended the admission of a number of new breeds. Others were rejected and recommended to come under the new rule that it is hoped will be made at the next meeting of the American Poultry Association.

The Glossary has been carefully revised and some additions suggested.

In Instructions to Judges quite a thorough revision is suggested, and a number of defects described on which definite cuts are to be made. This will enable poultry judges to cut alike for the same defects as well as inform breeders how much such defects will be punished.



CONDUCTED BY J. C. LONG, NEW YORK CITY.

HAND-REARED PIGEONS.

The Causes and Treatment for Raising These Delicate Youngsters.

BREEDERS of high-class pigeons only realize the necessity of resorting to the practice of rearing young birds by hand. This arises from various causes — sometimes owing to the parents at the beginning of the season, in their anxiety to again go to nest, neglecting them; sometimes because one squab may be hatched several hours—or maybe a day—before the other, and, being thereby the stronger bird, secures the principal attention of the parents, leaving the weaker, and oftimes the best, to linger in a semi-starved condition, or die. But as our subject is not to deal with the reason why young pigeons require to be reared by hand, but how best to perform the operation, says Miss Collington in *Fancier's Gazette*, I will proceed to give you what I have found to be the best method, after several years' experience.

I invariably find that most birds will feed their young for the first day or two after they are hatched, and consider it is not worth the trouble of attempting to feed them should they not do so, because in the majority of cases I believe that it would be found that want of stamina in the squab would be the cause, other than neglect of the parent.

The earliest date that I have taken a bird in hand has been at four days old, and from that time I will now proceed to give you my method.

To closely follow nature has always been my aim, and therefore I give them as near as possible the same food I supply the old birds with, but artificially prepared to the state it would have attained in the crop of the parents under natural conditions. I feed on maple peas, dari, and good sound wheat. This I prepare by soaking in boiling water, until I can easily pinch up and reduce to a pulpy condition, taking care to have only sufficient for a day's supply, because should it become sour, it will be almost sure to terminate the life of the squab. Having prepared my food, I pour on it sufficient hot water to warm it up; drain this off, and commence to feed by gently taking the bird in my left hand, opening its beak, and supplying it with the food as before described.

This can be done in more than one way, but, personally, I prefer to administer it with the finger and thumb of my right hand. It can also be given with a good quill, cut to a blunt point and shaped similar to a quill pen, or a small piece of horn or whalebone similarly shaped. After a few times feeding, no trouble will be experienced; in fact, the squab will readily open its mouth to receive the food. Do not over-cram them, but rather resort to the plan of a little and often, carefully noticing how they digest it.

Should they appear not to do this, drop your course, and give them a few pellets made up as follows: Cod liver oil, a small quantity of Cayenne pepper, and flowers of sulphur, mixed together and stiffened with wheat flour, just enough to enable the squab to swallow without sticking in the mouth and throat, or you will in all probability choke it. In most cases I find this will, after a few hours, set the machinery in motion, and enable me to go back to the natural food again.

Until the bird arrives at the age of six or seven days, I do not supply them with much water, the quantity absorbed in the food being sufficient. From this period to the twenty-first or fifth day, when, if your squab has done well, it will feed itself, I follow the same plan, gradually each day allowing the food less time to soak; and from about the fourteenth day I only pour sufficient water on it to warm it before commencing to feed. I have tried broken biscuit, Spratts food, Liverine, etc., but owing to the soft nature when soaked, find it more difficult to give, and cannot say I have ever found my birds do any better with it than the corn prepared as previously mentioned. Grit, of course, they will require in moderate quantity, and again I advise every fancier to use the same sort he supplies to the old birds, only remembering the young birds will require it smaller and finer.

Personally, I use Jenkinson's perfect gravel, and find that all I require. In some districts a good grit can be easily obtained at less cost, and if you find your old birds thrive with it, give the same to the squabs.

A small pinch of common salt about every three days I find does them good, and tends to keep them healthy. I find no difficulty in getting them to drink after the first time or two of teaching. This I do by placing their beaks in a small eggcup full of chilled water. They will soon drink themselves all they need. Be sure your water is pure.

The next point, and one that is as necessary as the food, is the keeping up as near as possible by artificial means the heat required to supply the natural warmth derived from the parent.

This is at times more difficult than the feeding. For squabs of less than a week old I advise placing them in a small box or basket, on a piece of new flannel, and lightly covering it with a pad of raw cotton, followed by another piece of flannel lightly thrown over the top, taking care that the beak and nostrils are not covered so as to cause any difficulty of breathing.

Place them as near the fire as possible, carefully avoiding either too much direct heat or draft; or, better still, if you possess a greenhouse or conservatory heated by hot water, place them in it. If kept by the fire, frequently look at them to see they are not suffering from too much heat or cold, and adjust your covering accordingly.

Of course, at night you will need additional heat. This can be supplied with a down cushion or light woolen material placed on them, and the basket wrapped all around with stout brown paper to keep in the heat, leaving sufficient space to admit the necessary air required.

As the squabs advance in age, gradually expose them by degrees until you can dispense with your top coverings, and when about a fortnight old substitute some nice hay underneath for your flannel. This you will require to change about once.

I find that birds reared by hand are slower in feathering, and this I attribute to the lack of moisture in the heat supplied. This I remedy by slightly passing over them a sponge soaked in lukewarm water, and squeezed nearly dry, and afterward rubbing in a little vaseline.

I now find that at about three weeks the hay and basket can be dispensed with, and they can be placed on a wood floor in the corner of a loft or warm room, and if you have some older ones already in it that can pick up, but which are not far enough advanced to peck or worry them, so much the better, for they will learn the readier, by watching them, to pick up for themselves.

As soon as this stage is reached, and they can fill their crops without your assistance, hand-rearing is not necessary, and I will stop here, trusting that my essay may at least assist some amateur who desires to learn how to hand-rear a young pigeon.

The Lumley Standard Adopted.

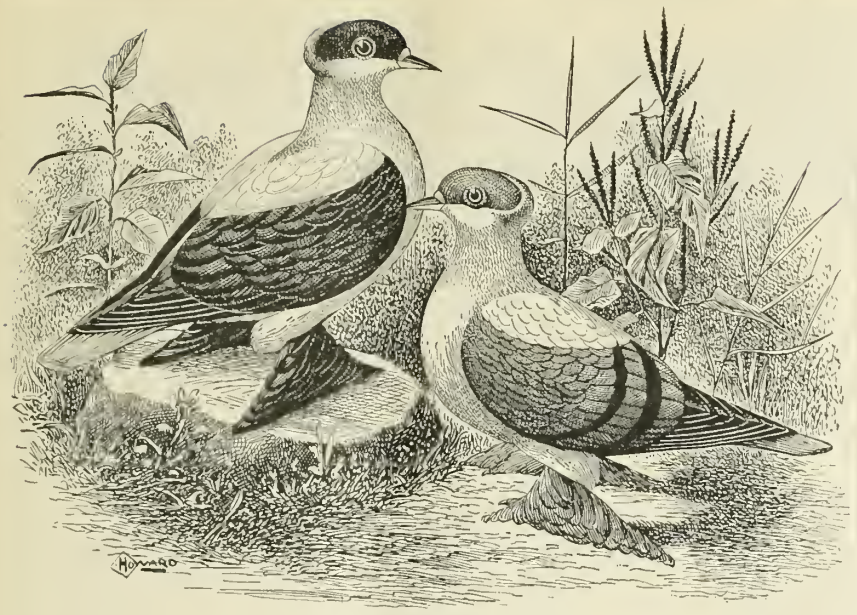
Having sent out postal cards requesting members to vote for either the old or Lumley Standard suggested by President Fred. Heintz, the result is as follows, in favor of adopting Lumley Standard: Fred. Heintz, E. L. May, Aug. Joos, L. A. Jansen, T. W. Davis, Wm. Korb, Thos. Jenner, Fred. Rommell, W. C. Earnhardt, G. A. Fick. In favor of the old Standard: F. G. Schulz, Geo. E. Schulz. The following did not send votes: O. F. Mittendorff, C. E. Twombly, W. J. Schaedler, W. D. Harper.

As the majority have decided in favor of adopting the Lumley Standard, I shall have the Standard and Constitution and By-Laws published in book form to be used by the club hereafter.

G. A. FICK, Sec'y.

The Swallow Club.

I have noted with much pleasure that the members of the Swallow Club have decided to adopt the Lumley Standard for Swallows, that being adapted to conform more to the true characteristics of the Swallow than the former one which has been in use for the last few years. Undoubtedly there are many fanciers of the Swallow who by this time have suspended breeding operations for the season, and others who are contemplating doing so shortly, as the breeding season is, or ought to be, drawing to a close. Owing to the unfavorable weather in the earlier part, and the unusual amount of disease prevalent during the entire season, no doubt there are some fanciers of the Swallow who unfortunately have had unsatisfactory results in the breeding loft, thereby being almost discouraged. To those I express my sympathy, hoping they will be more successful in their efforts next season. It requires an enormous amount of patience and perseverance to become



BLACK SWALLOW. BLUE SWALLOW.
(Republished by Request.)

a successful breeder of first-class specimens of the Swallow, which has been demonstrated years and years ago by the German fanciers. Others, notwithstanding the many drawbacks of the season, no doubt are greatly elated over their success in the breeding loft, having succeeded in raising quite a number of Swallows worthy a little extra care and attention; these cause their owners much anxiety and expectation, who doubtless are now devoting their spare moments to preparing them for the show room, and are impatiently awaiting their first opportunity to have them passed upon by some competent judge in friendly rivalry with their brother fanciers for honors.

If there are any admirers of the Swallow who are not aware of the existence of a Swallow Club, will say there is one which has been in existence a few years, whose secretary and treasurer is Mr. G. A. Fick, 1300 N. Washington Street, Baltimore, Md., who, upon the payment of $1.00 as initiation fee, will be pleased to place your name upon the list of members, hoping you may be the owner of the Swallows capable of winning one or more of the many prizes which are to be offered by the club as an inducement to have you join with us in our effort to still further enhance the popularity of the Swallow.

FRED. HEINTZ, President.

Their Influence.

Specialty clubs have probably more influence than any other one thing toward improving certain varieties of pigeons. They center the interest on the variety they make a specialty of, and all the members comprising such a club are stimulated to use their best endeavors to turn out perfect specimens. They learn to know each other better than promiscuous breeders do, and in conferring together can point out to each other where they fail and where their mistake in mating probably lies. Since the establishing of such clubs the quality of high-class pigeons has greatly improved in this country.

When writing our advertisers always mention THE FEATHER.

Affects the Fancy.

The bicycle craze affects the pigeon fancy as well as many other businesses. Many a boy and young man who used to save his money to buy pigeons, now saves it to purchase a bicycle, and the time formerly devoted to his pets is taken for a spin on the road. This is noticeable in the larger towns and cities by the falling off in the demand for pigeons at the places where they are sold. But when the desire for such exercise is satiated, the boys will come back to their old love, for the adage, "Once a fancier, always a fancier," holds good in almost all instances.

For advertising rates, see editorial page.

Covering for the Floor.

For covering the floor of the pigeon-house generally, says Richard Woods, nothing is better than coarse pine or deal sawdust. This is readily obtainable in most towns, and when fresh from the mills it acts as a powerful deodorizer and disinfectant. For the very center of the floor of the house (*i. e.*, where the food hopper is placed) I like sharp gritty sand, so that any food that may be scattered by the birds is not wasted. Another advantage in using sand, as indicated, will be found when the young birds emerge from their nests, for in picking up the food they also learn to pick up the grit. For the "area" or "flight" I give the preference to very light—light in both color and substance—porous sand. This should be placed several inches thick on the top of a bedwork of coarse material, such as brickbats, and other builders' refuse, large cinders, or other substances that will quickly absorb the surface moisture.

The Suabian.

The Suabian resembles the Starling, and like it, should be peak crested. The shoulders as well as the flights should be evenly laced or spangled, and to carry out this harmonious feathering, the tail should be spotted with white.

"Sanitas"

is an absolutely non-poisonous disinfectant, and is necessary to produce healthy birds. "Sanitas" disinfecting powder should be freely sprinkled in the yards and used as a whitewash. It destroys lice and prevents disease.

"How to Disinfect," a book sent free to all poultrymen.

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THE RELIABLE POULTRY JOURNAL.

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Remember, 60 cents gets you a years's subscription to these two journals.

ADDRESS **George E. Howard & Co.,** Central Power Station, Washington, D. C.



A Complete Success.

A message by Carrier Pigeon was received from Admiral Sicard on the flagship New York of the North Atlantic squadron at the Norfolk navy yard Friday morning, September 3, 1897. A copy was immediately telegraphed to Acting Secretary Roosevelt at the Navy Department. The message was as follows: "September 3d, 6:30 A. M. Position, thirty degrees east-northeast Cape Charles lightship, distant sixty-five miles. The squadron consisting of the New York, Brooklyn, Iowa, Massachusetts, Indiana, Texas, and Maine is approaching the southern drill ground and will probably anchor about 8 o'clock. Will dispatch anchorage later. Puritan is in sight."

This is said at the Navy Department to be the first instance in our naval history of the successful use of Carrier Pigeons as a means of communication between naval vessels afloat and the shore stations. It is the result of several months' hard work on the part of the equipment bureau, which has in the case of the squadron collected aboard the ships pigeons from various Atlantic ports, so that the commanders might be prepared to dispatch messages to any desired naval station. The result is highly gratifying to the department officials, indicating, as it does, the possibility of developing a most valuable means of communication with our offshore fleets.

Acting Secretary Roosevelt has received the following telegram from Commodore Farquhar, commandant of the Norfolk navy yard:

"Following message by pigeon just received: Ship New York, 9:50 A. M., September 4th, fifty miles from Norfolk. The squadron is at anchor in southern drill grounds. Weather too boisterous for either target practice or evolutions. Will probably remain at anchorage until Tuesday or Wednesday. Wind east-northeast."

The Baltimore District.

The first young-bird race of the Baltimore District for the season of '97 was held from Milford, Va., distance 100 miles, competition 234 birds. The official liberator wired: "Birds out 9:10 A. M. Weather clear; no wind." Returns to each loft were as follows:

OWNER	SPEED
E. T. Baker	1174.66
C. H. Gantz	1164.94
W. W. White, Jr.	1163.07
G. H. Watchman	1160.02
Wm. Carson	1154.67
Wm. B. Cochran	1151.40
Jas. Moiles	1150.85
H. F. Wiessner	1150.41
Edw. Muhler	1129.21
Ag. Leaf	1098.92
Wm. Broemer	1097.54
Chas. Burkhardt	1086.54
Chas. Fitzpatrick	1077.31
A. G. Knell	1071.99
Elmer Read	1046.60
Christian Becker	927.80

The next race of the series will be held from Petersburg, Va., distance 150 miles.

The Manhattan Club.

The 200-mile-young-bird race of this club was flown Sunday, August 29th, from Washington, D. C. 265 birds from twenty-six lofts were liberated at 6 A. M., by E. S. Schmid, in a clear atmosphere with a southwest wind. The same conditions prevailed at home.

OWNER	DISTANCE	SPEED
Sidney Corbett	202.20	1042.30
Thos. H. Liddle	202.17	1026.01
Hillside Loft	209.28	1024.00
Sidney Corbett	202.20	1021.79
C. P. Schwenk	202.27	1014.23
Henry Borchers	204.33	1004.78
S. W. Spangehl	204.40	962.40
Harry Robertson	202.19	958.40
Geo. Mortimer	209.41	952.87
Thos. J. Clarke	208.69	948.46
Peter Scharding	205.37	923.72
Joseph Scholl	204.42	912.45
G. W. Arthur	201.49	910.38
Chas. Schafer	205.37	900.96
Justus Prior	204.61	899.61
T. Fred. Goldman	204.19	895.09
John E. Lass	202.03	892.72
Albert Ludorff	205.83	889.20
Brown Bros.	201.24	870.01
Ball & Kalbfleisch	203.06	854.78
John G. Gunning	201.44	826.84

GEO. BROWN, JR., Sec'y.

The Southern Lofts.

Editor The Feather:

The 450-mile race of the Southern Lofts, Washington, D. C., took place on June 14th.

Liberator wired, "Weather clear, wind southwest. Liberated at 5:30 A. M., six birds." First arrivals were:

T37577 R. C. C., 3:48 P. M.; T32879 B. C. H., 4:10 P. M.; T32882 Sil. H., 6:19 P. M.; F. J. 59, second day, 7 A. M.

Best speed made was 1280.96 yards per minute.

As T37577 has been first in two races and second in the other two, I will give his average speed for the four as 1241.70¼ yards per minute. He is only ten months old, being hatched September 1, 1896. He is a small, wiry-built bird, red cheek with a white head and wings. Although always on the go, is quite tame and affectionate, and was named after his owner, being called "Little Phil."

As these birds that returned from the 450-mile station are not one year old, they will not be sent to 560 miles this year.

Hoping for as good, if not better, results from my youngsters this year, I am, Yours very truly,

THE SOUTHERN LOFTS,

Washington, D. C.

York Notes.

H. R. Lewis, of near Leithtown, Va., recently shot a Homing Pigeon, registered G. W. K. 1653 ('95), which is the property of John H. Spangler, of 425 West College Avenue, a member of the National Club of this city. The bird was not known to be valuable when shot. Mr. Spangler made inquiry as to the law in Virginia regarding the shooting or trapping of Homing Pigeons, but no such law existed, hence no suit was brought.

The York Club recently elected the following officers to serve for the coming Fall and Spring flys: President, Charles E. Krouse; race secretary, E. A. Krafft; treasurer, George W. Kendig; secretary, Samuel H. Strack.

The following members of the Pioneer Club recently shipped six birds to Pensacola, Fla., an air-line distance of 912 miles: William H. Hoke, two; Hiram M. Faust, one; August Sonneman, one; David Rupp, one; John W. Hoke, one. They were liberated July 24th, but up to this date none have returned.

Thomas Myers, of 133 East Market Street, a member of the York District, has recently completed the erection of the finest loft in the State, without an exception. Its erection cost him between six and seven hundred dollars, and it is a beauty. It has running water with fountain attachments in both lofts, electric lights, alarm bells, electric bob-wires, cement floors, and all the latest contrivances.

D. Ross Berkheimer, of the Codorus Club, had a Black hen, registered A. Star 173, return from Battleboro, N. C., 301 miles air-line, recently, after sixty-five days' absence.

H. M. Faust, race secretary of the Pioneer Club, is in receipt of a copy of the *Daily Times*, published in Pensacola, Fla., in which appears an article on the capture of a Homing Pigeon. The bird referred to belongs to August Sonneman, and was entered in a fly from the above station, 912 miles air-line, and eight days after liberation returned to the starting point. E. A. Bryant, railroad postal clerk, captured the bird after it had been five or six days in the city, and notified the owner. As the bird was not in condition to make the fly home, Mr. Sonneman wrote requesting that the bird be expressed to him, but it had been liberated before the letter of instruction was received and upon its liberation immediately left in a due northern direction.

Samuel H. Strack, of the York Club, had a Blue Check hen, registered A. C. H. S. 23, return recently from Landover, Md., after eighty-eight days' absence.

The 500-mile record for Dallastown, this county, was broken August 14th by George W. Stump's Blue Check cock, "Deitrich," registered J. W. W. 9, when he returned from Abbeville, S. C., 504 miles air-line. The former record was fourteen days.

John W. Hoke, of the Pioneer Club, had his Black Check hen, registered T41880, return from Jacksonville, Fla., an air-line distance of 754 miles, after forty-two days' absence. This hen is now champion hen of city and county and is the fourth bird of the five shipped to return from this station.

Wm. F. Hull, of Lancaster, was circulating among the local fanciers lately. He is the foremost importer, breeder, and flyer in that city.

E. A. Krafft, of the York Club, reports the return of his Red Check cock, "Billy C," registered E. A. K. 317, from Wilson, N. C., 320 miles air-line, after sixty-two days' absence.

The following clubs, comprising about seventy-five members, will fly for honors this Fall: York District of the National Federation, York, Pioneer, Penn, Eureka, National, Codorus, and American Star.

H. M. Faust's Blue Check hen, "May Blossom," has returned from Pembroke, N. C., 412 miles, after nine weeks' absence. Her counterband was missing on her return. T. BAND.



The Editor will be assisted in conducting this department by Messrs. Philander Williams, James Rankin, and T. F. McGrew. All are invited to contribute to these columns. Questions will receive prompt and considerate answers.

Poultry in Mexico.

Editor The Feather:

The two numbers of THE FEATHER I have received so far have pleased me so that I have read them through two or three times. Have noticed with interest your comments on Government Bulletin on the "Standard Varieties of Chickens," and I think that if such a bulletin were scattered over Mexico it would be beneficial both to our country and to American breeders. You say that it has been translated into Spanish; would it not be possible for me to procure a few hundred copies? I would see that they were properly distributed and might get our government interested. At any rate, I wish you would kindly mail me a copy as I would like very much to read it.

Fancy poultry is entirely unknown in this country, and a broiler farm a thing never heard of. Our table fowls are bred by laborers on ranches who generally keep a few mongrel hens at range without feeding them. This is really a pity, as I think there is no country in the world better adapted to the poultry business than this; find land and plenty of it, cheap feed and labor, a good market (at least for broilers and eggs), and a beautiful climate. At this city the thermometer never gets above eighty degrees nor below thirty-two degrees. The only variety of fowls that is kept with a little care is the Pit Game. Cock fights, allowed by the government, are very popular in this country; you see them everywhere and almost at any time in the year, sometimes even at the molting season. Game cocks can be bought at any price from fifty cents up, but twenty or twenty-five dollars, and even fifty dollars, can be gotten easily for a fine bird. I have bred Pit Games for pleasure—and a little profit besides—for the last few years, and, by importing several cocks from England and the United States (the latter, with a single exception, were not good) and crossing with my own, have succeeded in getting a very fine strain that is well known over the country. I have now a cock, "Champion Ivanhoe," that has won eight battles with long slashers; I have had several offers of from twenty-five to one hundred dollars for him. If you think it will be of interest to your readers I will send you his picture.

Speaking of Games reminds me of what you say on page 135 of your American Fanciers' Poultry Book, viz.: "The Pit Game is a fowl with only a moderate length of limb, with a rather low carriage for a game fowl, with rather long and soft plumage, and with a big, bushy tail carried well up." Now, this is true of our ordinary Pit Games, but the finer the bird the more he will approach in shape, hardness of feather, etc., to your description of an Exhibition Game. My aim has been to get birds of that kind, but I have not had great success. I think I will get from the States one or two fine Exhibition cockerels and perhaps by judicious crossing with my finest Pit hens it will be possible to impart to my stock the characteristics of the Exhibition Game without impairing their fighting qualities. The length of limb and erectness of carriage are specially desirable in Pit Games. As cocks are matched by weight, give or take four ounces, the one that has the longer reach has, naturally, the advantage. It might be that——but if I keep on speaking about Games I will never get through, and this letter might possibly be already too long for the time you can spare for its reading, so I must close.

Yours truly,
C. E. PARRI, C. E.

Aguascalientes, Mexico.

From Nebraska.

Editor The Feather:

I come as a stranger, but when traveling costs so small a sum as a two-cent stamp we should travel. Why will you go ahead working at hard manual labor and be thinking all the while of some kind friend you would so like to see? Drop your work for a while, and with pen or pencil travel over a page of paper to this friend. Believe me, it will rest you. Just now I am tired from peeling and putting up peaches, so I shall call upon THE FEATHER readers a few moments. My call must be in the interest of poultry in some way. I wish to impress this upon your minds: Wild fowls will get quite tame if one can just find the way to begin. I have a flock of twenty fine young Guineas and the old birds took a notion to roost in a willow grove quite a distance from the house. I do so wish to raise the little things in a way that they will be more like pets when grown. There is nothing more pleasing to the eye than a nice flock of young Pearl Guineas. My chickens are too much like pets, as I use an incubator to hatch them and a brooder to rear them. This will make any variety very tame. I prefer my good old brooder to any hen. There are no pests to eat the life blood, and leave nothing but skeleton instead of chicken. Care and attention are absolutely necessary before a person can be a successful breeder. I have made my call much too long perhaps, but if so please excuse me.

MRS. IRA DRAPER.

Dawson, Neb.

The Only True Way.

Editor The Feather:

I have just lately read your journal. I have devoted more time to poultry since coming to Oregon, and have had to learn a great deal by dear experience, but I can assure you the only true way of success in chicken raising is eternal vigilance in keeping yards, coops, and poultry-houses free from mites, lice, etc., to keep them perfectly clean each day just as carefully as we do our stables, and a free use of hot tar on the roosts and covering with road dust is the best thing I have ever tried. I have not seen any mites to speak of for two years since taking that way to keep clear of them. I have been a strong advocate of this treatment ever since I have tried it.

Yours truly,
WM. RUSSELL.

South Oregon City, Ore.

Raising Chicks in Winter.

Editor The Feather:

Are chicks successfully raised in the Winter at broiler plants with only an inside run in brood-house? Or do they have outside runs? If the latter, how are they arranged so as to keep the chicks from getting chilled? Also kindly tell me the cause and name of disease with the following symptoms: They become blind, and weak in the legs and wings, can raise the body only half-way up and crawl around, also have a kind of gummy substance in the mouth. They eat well and seem to be well otherwise.

Yours truly,
Owensboro, Ky. R. J. MCGEE.

Chicks after two weeks old should always have runs out of doors during the middle of the day, even in cold weather, when the sun shines. Dig away the snow and let them out.

The cause of leg weakness in chicks is too highly concentrated food and want of grit. With too much food the chick is averse to exercise, and without grit cannot assimilate its food. Keep them a little hungry, and with plenty of grit and green stuff, the chicks will never be weak legged.—J. RANKIN.

Raising Broilers.

Editor The Feather:

In our rambles we often hear the remark, "We can hatch the chickens all right, but we fail when we come to brood them." This hatching problem has many sides, and while we may think quantity all right, we find we often lack in quality. Many an incubator has turned out its hundreds of chicks to be only a vexation to the attendant, simply because he or she believed large numbers hatched meant success.

First, we need to know what kind of stock produced the eggs; if they have had any of the diseases prevalent among chickens, and are, at the time of laying the eggs, subject to colds, and every wet spell that comes go sneezing and wheezing around. We can be sure eggs from such birds will not bring out chicks that will live.

Then we come to the incubator, and we find that the owner has placed hatch after hatch in his machine with only a slight cleaning. The hatch may be a large one, and yet, when the chick has to exist in that highly-heated air for the first twenty-four hours of his life, he inhales into his system enough foul matter to kill an ox, much less a little chick, and after being put in the brooder a day or two he dies, and the brooder takes the blame, when it should be laid at the door of the manager.

Then, even if all these things are corrected, we find managers heating their brooders up to ninety and ninety-five degrees, then placing seventy-five or one hundred chicks into them, and that is the last they see of them for the next four or five hours; and in one hour, sometimes less, this brooder with its one hundred chicks has gone up to 110 degrees and you find the chicks panting for breath; they then open up the brooder wide to cool off the chicks, by and this means all are given colds, indigestion, and disorder of the bowels. It is called cholera, and the brooder is pro-

nounced no good, broiler business a failure, and the outfit is sold at half price, and they declare that all chicken men are cranks or fools.

If one would only use common sense, and never give up, by careful study, patience, and perseverance he will learn that broiler raising is a business in and of itself, and that no man has ever been known to master it but by the road of experience. Experience is generally a dear school, because there are so many little things that are by the beginner called non-essential, while those who persevere to the end find these little items are like cogs in a wheel—they produce a jump and jerk when left out, and cause others to be broken, until the whole becomes a failure.

We find supplying grit (the chickens' teeth) one of the frequent items left out of the daily duties. Water, pure and cool, is too often left to stand in the brooder until the dish becomes slimy and even until a green scum gathers on it. We find no provision made for the weakly ones to be placed by themselves, but all are granted the right to crowd, push, struggle, or die in their weakness for want of a little care and assistance. These are a few reasons why we hear so much complaint, and there are many more, but I have already taken too much of your space and will leave the balance until some more convenient time.

Ballston, Va. F. MARSHALL.

"Birds of a Feather."

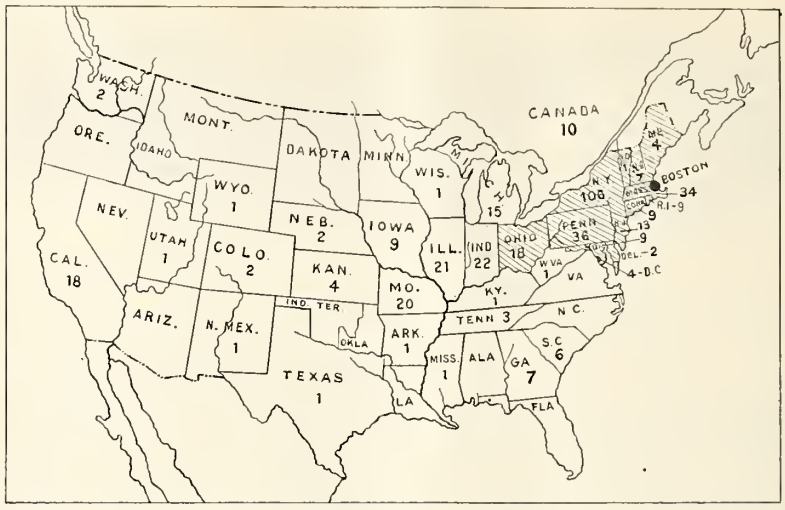
Editor The Feather:

Of course, you are very well aware of the fact that birds of a feather flock together; so I dropped in upon the boys of White House Station, N. J. First I called upon Mr. Wm. J. Styker, a breeder of those beautiful Golden Sebright Bantams. Brother S. is a boot and shoe merchant, but has time which he devotes to these beautiful birds. His pullets, as well as his hens, were fine; his old male bird was very fine as to markings, etc., but got crippled.

My next call was upon "the village blacksmith," Mr. John Vandervoort. He knows all about when to "strike the iron when it is hot." For the last five years Brother V. has been welding out the best of Homing Pigeons. He has a large loft of about 150 fine birds; the first I ever saw of this kind which were snow white. He sent three young birds to Newburg, N. Y., ninety-five miles away; two of them came home in two hours and forty minutes, their first outing, and I thought they did well. These two breeders were in "full molt," and in order to make themselves of full feather, they, of course, took THE FEATHER. "UNCLE WALTER."

The Place of Meeting.

The next annual meeting of the American Poultry Association will indeed be one of the most important events ever held by that organization. Each year it seems that its work has increased in proportion to the rapidly developing industry it fathers, and recently its sessions have been marked by legislation that has proven of much value to the poultry industry. At the session held in New York City last January a committee was appointed to revise and make new the American Standard of Perfection. This action was of considerable importance to the breeders of thoroughbred poultry, and meant a good deal more than some may at first have supposed. Since that resolution was passed



Map of the United States showing distribution of members by States. The shaded portion represents 268 members, while the remaining States have 234 members.

we have noted the profound interest taken in the work of revising the Standard, and the subject is paramount with those who breed and fancy fine poultry.

The committee to which was assigned the work of revising the Standard has held its meeting and has prepared its report to be presented at the annual session of the American Poultry Association. For this reason, if for no other, the next meeting may reasonably be expected to be of all importance to poultrymen generally. The coming session should be the most representative and largely attended of any yet held, and the place of meeting should be selected where the largest possible attendance could be had without regard to any and all precedents.

Secretary Sternberg has received invitations from the following associations for the next annual meeting: The Mid-Continental Poultry Association, December 23-30, 1897, at Kansas City, Mo. The National Fanciers' Association, January 24-29, 1898, at Chicago, Ill. The Boston Poultry Association, January 18-22, 1898, at Boston, Mass.

Either one of the above places would be an excellent selection, but we feel that Boston would be the best of all for the coming event. Both the Mid-Continental and the National Fanciers' Associations are representative organizations, and would, we are sure, do their full share to further the interests of the meeting. Of this we are convinced and if the revision were not to be considered at the coming session, we would gladly support one of the two Western places.

Let us look at the above map and see if there is not reason for selecting Boston for this all-important meeting. The territory of the United States is very large and necessitates considerable traveling to go entirely over it. For the sake of convenience we have created two sections, as shown in the above map. The twelve States as shown by the shaded section, together with Canada and the District of Columbia, have 268 of the 402 members of the American Poultry Association. These twelve States are the smallest in area of all, and the distance in miles from one place to another is thereby greatly shortened. They are compact in arrangement, and the expense of traveling from one extreme section of this shaded portion to the other is not very great. Taking Boston as the place of meeting, we candidly believe that a larger gathering can be held there than in either of the two Western cities. The chances of attendance from the 268 members located in the concentrated territory, and those who will come from the South and West, are much greater than those of the remaining 234 in the unlimited and far-reaching Western territory. We believe those who have the selecting of the next place of meeting will fully appreciate this fact, and will wisely and justly cast their votes for Boston.

Boston has many attractions for the visitor, and will entertain its guests with a friendship and fraternity that is hard to excel. To poultrymen, Boston will be especially interesting next January, when it holds its show. The last show of the Boston association was one of the greatest ever held in this country, and from our recent interview with Mr. Arthur R. Sharp, the superintendent, we have every reason to believe that the coming event will surpass all previous efforts in the show line. We believe there will be no mistake in selecting Boston for this meeting, and the good to the industry resulting will redound to the glory of the parent organization. It will be a week of carnival to poultrymen; the meeting of the American Poultry Association, and a good, live, up-to-date "hen-show," will indeed make life a pleasure to the poultrymen who may be in attendance. Let us all unite for Boston for the coming meeting.

Adopt a System.

A perfectly regular system of feeding should be adhered to. Nothing perhaps is more beneficial to the condition of the fowl. After careful consideration adopt a system of feeding which best commends itself under the conditions. The fowls will become accustomed to the hours of their meals, and will look for them. This intelligence is natural to all mundane beings, and the more it is encouraged with dumb animals, the easier it will be to control them and keep yourself informed as to their respective conditions. Feeding at irregular intervals begets restlessness among the flocks that must necessarily impair their constitutions and cause deterioration in their value. Between regular hours of feeding they are better contented among themselves, and the more readily follow out their natural inclinations.

THE BUSINESS WORLD

As Viewed From the Columns of The Feather.

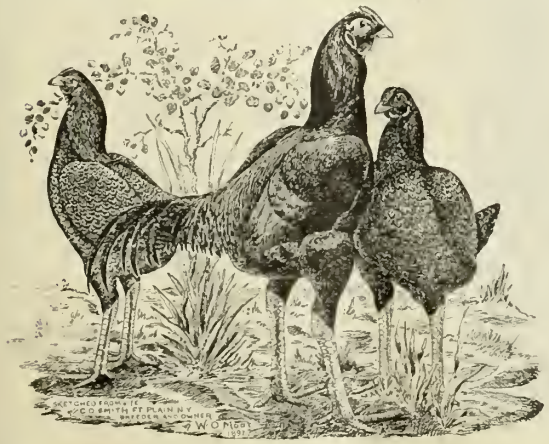
THE BUFF LEGHORN CLUB.

The Buff Leghorn Club is one of the organized specialty clubs of the country. Its membership is composed of live, active workers, who are breeding dainty Buffs from the Atlantic to the Pacific Oceans. The club has issued a very handsome catalogue, and a copy will be mailed to any one who may write, enclosing a two-cent stamp for same, to Mr. E. P. Shepherd, secretary, Croton Falls, N. Y. The introduction in the catalogue explains very nicely the aims of the club, and is as follows:

"Again we have the pleasure of presenting to the public our annual catalogue. The members are to be congratulated that, notwithstanding the cost of three handsome cups awarded at the New York, Boston, and Sacramento shows, we are able to issue our finest catalogue. This speaks well for the interest taken in this variety of poultry as also for the club, and I extend hearty thanks to those who have given their support in making this our best effort. The articles written by some of our members dwell mostly on a very important question, viz., the shade of buff that should be adopted as the correct shade. I have noticed with regret that judges differ greatly on this question, and unless an exhibitor has shown under a judge and found out his preference he is handicapped. This works a great injury to amateurs and often to the professional exhibitor and is a detriment to the breed. No matter what shade is adopted, it can be bred by persistent work, and in after years the exhibits will be found mostly of uniform color. I trust that this question of color will be settled before the Standard of the American Poultry Association is revised. If any one, whether a member of this club or not, has any suggestions to make on the revision of the present standard of the Buff Leghorn, let him communicate with the chairman of the committee on the revision of the Standard. His name will be found in the following pages.

"It is highly satisfactory to note the increasing interest that is being taken in our breed, shows that heretofore never saw a Buff Leghorn, had the past season good exhibits of them. As the fowl improves and its good qualities become known, its popularity increases, and I hope that all the best breeders will be with us and thus enable us to work to the best advantage in placing the Buff Leghorns in the front rank.

"Yours most truly,
"E. P. SHEPHERD, Sec'y."



TRIO CORNISH INDIAN GAMES.
Bred and Owned by C. D. Smith, Fort Plain, N. Y.

GAMES EXCLUSIVELY.

Mr. C. D. Smith, Fort Plain, N. Y., is a breeder of Games exclusively. Among his varieties are found the Cornish Indians, Irish Black Reds, Heathwoods, Tornadoes, and Irish and Mexican Grays. We publish herewith a cut of a trio of his Indian Games. Write him for his prices and he will send his illustrated circular free.

A VAST ESTATE.

Mr. R. Reid Harding, Hillsboro, N. C., manager of the poultry department of the Occoneechee Farm, has had splendid results with this year's breeding. Every branch of this mammoth plant has been extremely successful, and the season's business begins with valuable resources to draw on. Hundreds of fine youngsters are here to be selected from and the buyer will have many advantages in his favor.

The Occoneechee Farm contains about 800 acres, and is situated among the red hills and fertile valleys of central North Carolina; it is near the town of Hillsboro, about midway between Raleigh and Greensboro. The barns, poultry-houses, and other buildings are large, handsome, and commodious and fitted with every convenience for both health and comfort of stock and fowls. Occoneechee Farm has the best that money can buy or skill in mating and breeding produce. Their stock has won over 200 premiums during the past season.

Mr. Harding has applied himself closely to the work and is familiar with all classes of poultry. Among the varieties he breeds are Light, and Dark Brahmas; Buff, White, and Partridge Cochins; Barred, and White Plymouth Rocks; Silver-laced, and White Wyandots; Indian Games; Black Minorcas; Brown, and White Leghorns; Pit Games; Houdans; Black Langshans; Golden Sebright Bantams; Black-breasted, and Duckwing Game Bantams; Buff Pekin Bantams; Bronze, and White Holland Turkeys, and all varieties of ducks. This is quite a list and includes many grand varieties.

Besides poultry, Mr. Harding has for the last twelve years been a breeder of English Beagle hounds. His stock is registered or entitled to registration. Besides Beagle hounds, he has a number of Bloodhounds for sale, from the noted Southern strain. We would suggest to our readers that they write Mr. Harding for a copy of his latest illustrated catalogue.



SID. CONGER.

SUCCESS IS HIS REWARD.

The name of Sid. Conger, Flat Rock, Ind., is a well-known one in poultry circles. For many years he has been identified with the poultry industry, and has been foremost in advancing the culture of thoroughbred poultry. Mr. Conger is an ex-president of the American Poultry Association. As a breeder of standard-bred stock he has been ex-

tremely successful, and his complete list of premiums, if printed in full, would make a volume. His list of awards is startling, and he is particularly delighted over his victories at the World's Fair.

Mr. Conger breeds several varieties of poultry and sheep, and devotes his entire time to this work. He is a regular advertiser in THE FEATHER and our readers will do well to write him for his circulars and prices. He is an enthusiast on the Barred Rock, and we quote him on this subject:

"The great popularity attained by the Plymouth Rock fowl is without a parallel—no other breed is so highly esteemed in America to-day. The real merit of this variety is unquestioned. Their reputation is established. They are, without doubt, in the lead of all varieties of pure-bred poultry, and their popularity was never greater than at present. Having bred this variety with unrivaled success fifteen years, I am confident they are receiving more attention than any other variety of pure-bred poultry in America, and I may safely say in the whole world, as they have more good qualities and fewer defects than any other established breed. There is no breed so well adapted for all purposes as the Barred Plymouth Rock. They are as little affected by change of locality or climate, with ability to stand the severest changes, as any known breed. They are quiet in disposition, bear confinement well, thrifty under all circumstances, excellent foragers, hardy and vigorous, and by all odds the most profitable, as they mature very fast, producing more pounds of flesh with the same amount of food than any other breed known, and command the highest market price. They are excellent egg producers, laying well during the whole year. In addition to all these valuable qualities they are the fancy fowl! Beautiful feathers, being a grayish-white, each feather evenly crossed with parallel bars of blue-black."

A WINNER.

Mr. George W. Kinzer, New Holland, Pa., whose ad. will be found in this issue, is a well-known breeder of thoroughbred poultry, making a specialty of Buff, White, and Barred Plymouth Rocks, White and Brown Leghorns, and Cornish Indian Games. The Kinzer Poultry Farm was established in 1894, under the personal supervision of Mr. Kinzer, who has spent much time and money to have it one of the foremost poultry farms in the country. Special care is exercised in mating and feeding, and his stock is therefore strong and the best obtainable. Mr. Kinzer has won first on pen of Cornish Indian Games at the Mt. Gretna show. Write him for his circular and price list.

FOR ANOTHER MONTH.

We are requested by Mr. Edward S. Schmid, 712 Twelfth Street, N. W., Washington, D. C., to announce that he will give absolutely free to all who wish it a copy of his large illustrated catalogue. This offer only holds good until the 15th of October. Mr. Schmid's catalogue is conceded to be the finest one of its kind ever issued. It has 106 pages, over 200 illustrations, and is handsomely bound in blue-tinted cover. It is a valuable reference book and is fully worth twenty-five cents to any one interested. You can get it free if you will write him as above. We would like to see every reader of THE FEATHER have a copy of this book.

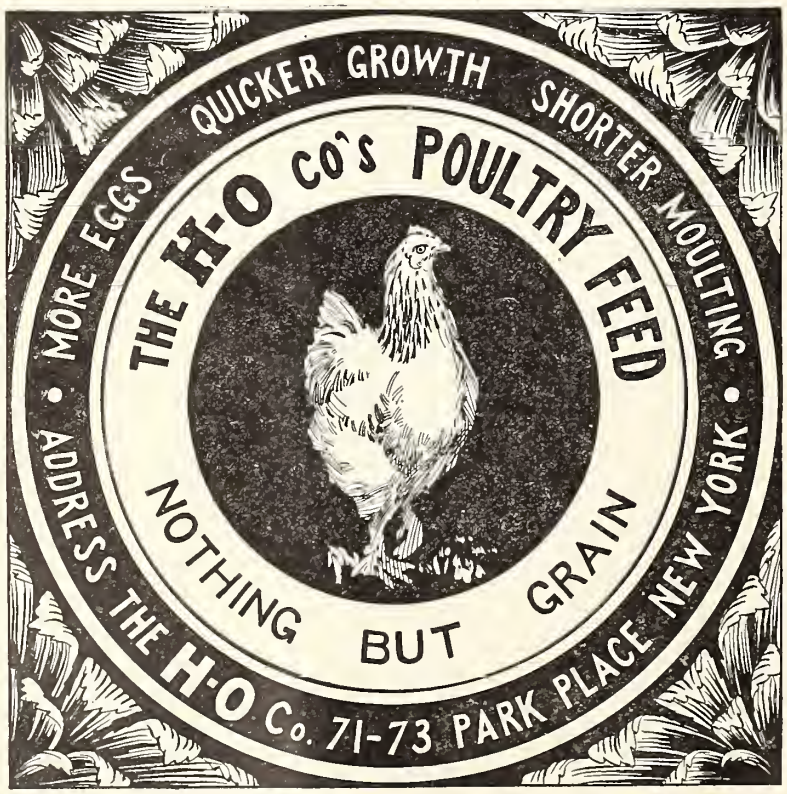
A LARGE LIST.

Mr. Rudolph Thiele, Silver Hill P. O., Md., made quite a sweep at the Rockville show, held the first three days of this month. He came away with a total of ninety-four premiums to his credit. Mr. Thiele has been breeding poultry for a number of years and takes considerable delight in attending to them. He has increased his plant lately and is adding many new birds for breeding next season. It is a treat to visit his place.

THEIR HOME.

An interesting and successful breeder of Barred Plymouth Rocks is Mr. Wm. H. Overbaugh, Jr., of Hanover, Pa. Mr. Overbaugh advertises his farm as the "home of the true blue Barred Plymouth Rocks and Buff Leghorns." For some little time he has been breeding these two varieties, and he has always been successful in placing his birds

Prepare Your Birds for the Fall Shows



ON THE

H-O Co.'s Poultry Feed

Michael K. Boyer,

Formerly one of the editors of *Farm-Poultry*, and now editor of *A Few Hens*, says there is no food to equal the **H-O Co.'s Poultry Feed** for laying hens or growing chickens.

Be careful to purchase it in Sealed Sacks of 100 pounds each

At the recent Mt. Gretna show, held August 16-20, he exhibited five old birds, and won 1st cock, 1st and 3d hens. Mr. Overbaugh intends exhibiting more extensively the coming season, and we dare say that in the "round-up" of the season he will have many ribbons to his credit. Mr. Overbaugh is a regular advertiser in THE FEATHER, and promises to send his catalogue free to all our readers.

THE "ILLINOIS."

The Illinois incubator, of which Mr. J. H. Jones, Streator, Ill., is the manufacturer, begins advertising in this number of THE FEATHER. This machine is built upon the best of principles, and has become popular from the very start. The machine is guaranteed to be constructed of the very best material and workmanship; is guaranteed to be perfectly self-regulating and to have an even distribution of heat in all parts of the egg chamber; it is also guaranteed to have perfect ventilation of thcegg chamber, and complete control of the moisture. And, above all, it is guaranteed to be a perfect hatcher. From hteir 1897 catalogue we quote the following:

"The Illinois incubator is not only an incubator in name, but a guaranteed hatcher, absolutely fire-proof, and first class in its scveral branches of workmanship and finished equal to a piece of parlor furniture. It is absolutely self-regulating and thc regulation is so simple that any one can easily understand the principles at once. The Illinois incubator is not a cheaply-constructed machinc, but built in a manner to be durable and rcliable at all times, in any atmosphcre. There is more material used in its construction than in any other make of incubators on the market at the present time. No expense has been spared to make its construction such as not to be affected by sudden changes of the outside temperature, for in addition to the double wood casing which is usually the extent of other makes, the Illinois incubator is covered with a complete outer casing of metal. Thc space bctween the two wood casings is tightly packed with a material which is the best non-conductor of heat known. This material is also absolutely non-combustible as well as vermin proof. The machine throughout is made large and roomy and each size is guaranteed to hold the full number of eggs for which it is sold. The Illinois incubator is not built to be sold for an incubator in name only, but, as we have said before, it is made and guaranteed to be a hatcher."

See their ncw ad. in this number and write them for their illustrated catalogue and price list.

RIDGELY'S ROCKS.

The success of Ridgely's Barred Rocks has been exceptionally good. Last year they had a string of victories that most any one would be proud of. They opened the season at Rockville, Md., August 31, September 1, 2, and 3, 1897, by winning in one of the hottest classes ever shown, 1st cock, 2d hen, 1st and special cockerel, 2d pullet, and 2d pen. This is a splendid record to begin the season with, and THE FEATHER wishes him unbounded success in the future.

A KNACK OF WINNING.

At Mt. Gretna last month the Uplands Poultry Farm, Carroll P. O., Baltimore, Md., had quite a list of entries, and did exceptionally well in winning premiums. On Barred Rocks they won 2d on cockerel and 3d on pen; White Wyandots, 3d hen and 2d pen; Partridge Cochins, 1st and 2d cocks, 1st and 2d hens, 1st cockerel, 1st and 2d pullets; Silver Gray Dorkings, 1st cock, 1st hen, 1st and 2d cockerels, 1st and 3d pullets. THE FEATHER hopes to publish in the near future an extended illustrated description of this farm.

A GOOD SHOT.

The Long View Poultry Yards, at Hyattsville, Md., have been one of the number to start the circuit of the exhibitions. At Rockville this month these yards were successful in winning five firsts and three seconds on a dozen entries. Their awards on White Wyandots were, 1st pullet, 2d cockerel; on White Leghorns, 1st and 2d pens; on Brown Leghorns, 2d pen, and on Buff Cochin Bantams, 1st cock, 1st hen, and 2d pullet.

TOO LATE TO CLASSIFY

WHITE MINORCAS—First prize winners at Rochester and Syracuse, '96, and Elmira and Washington, D. C., '97. At New York State Fair, in August, '97, won 1st on pen, 1st on cock, hen, and pullet, and 2d on cockerel. Fine stock for sale. MRS. J. G. OSBORNE, Cedar Glen Poultry Farm, Fabius, N. Y.

SILVER WYANDOTS—Prize winners at Onondaga County Fair, '96 and '97, 1st and 2d on cock, and 1st and 2d on hen. Have 7 Wyandot cockerels for sale, and also Black Minorcas and S. C. B. Leghorns. MARSFELDER & KREUN, No. 112 Helen Street, Syracuse, N. Y.

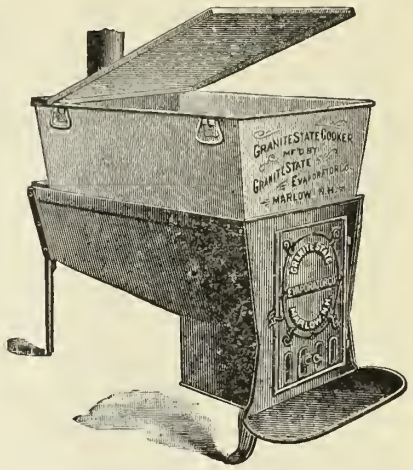
STOCK FOR SALE—1,000 head, 21 varieties, old and young, strictly first class; must be sold to make room; send for free and handsome descriptive catalogue. BLOOMFIELD & CO., Station C, Washington, N. J.

FOR SALE—200 Klondike nuggets in Buff Plymouth Rocks, White Wyandots, and Red Caps. If you want prize winners, I can furnish them in pens or trios. Must go at once. Write to-day. C. E. VASS, treasurer Washington Poultry and Pet Stock Association, Washington, N. J.

MAGPIES—Special bargains—I have 48 pairs of Magpies in Blacks, Reds and Yellows that I must close out for want of room, both old and young stock, at $2 per pair or 3 pair for $5; any color. They comprise the best blood money could buy. Be quick. Satisfaction guaranteed or money back. O. F. MITTENDORFF, Lincoln, Illinois.

17 DOLLARS 17

(REGULAR PRICE $21.00.)



SENT TO-DAY BUYS A 50 GALLON GRANITE STATE

FEED COOKER AND WATER HEATER

THE LIGHTEST AND MOST CONVENIENT

FARM BOILER FOR POULTRYMEN, STOCK RAISERS, AND DAIRYMEN.

THE BOILER is made of galvanized steel, a sheet metal that will not rust or corrode, nor require painting. It is furnished with four iron drop handles for convenience in lifting from furnace, and a tight-fitting galvanized steel cover. Send for testimonials.

WE PAY THE FREIGHT

to any point east of the Mississippi River and one-half freight charges to all points west. This Cooker is giving satisfaction wherever sold. We guarantee it to be made exactly as represented in the above illustration or money refunded. When you write mention this paper.

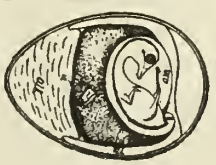
GRANITE STATE EVAPORATOR CO.,
No. 558 Temple Court, N. Y. City.

1868. THE ★ STRAIN 1897.

LIGHT BRAHMAS....

DR. N. V. HUTCHINSON having bred the above strain continuously from 1868 to 1897, and having purchased the stock of the late B. F. Macomber, noted for its prize winners, has many early chicks for sale this Fall, April and May hatch, and is prepared to sell first-class exhibition birds at all seasons. Eggs in season, $3.00 for 13; $8.00 for 39; $5.00 for 26. Also Black Cochins. Address

Box 61, North Abington, Mass.



THE CYPHERS' INCUBATOR EXCELS.

Endorsed by the LEADING BREEDERS as being the BEST HATCHER. Circular free.

AUTHOR "INCUBATION AND ITS NATURAL LAWS." PRICE 50 CENTS.

A word from the well-known plant of WEBER BROS.

WRENTHAM, MASS., June 9, 1897.

MR. C. A. CYPHERS.

DEAR SIR: Received yours to-day. Will say that the last hatch was 83 per cent. The —— are hatching only 60 per cent. We shall sell as many of our —— as we can, and put in your machines. I recommend your machine to all who come here. What pleases people most is that it does away with all the guess-work in running the others—no moisture to bother you; the thermostat takes care of the heat and all the ventilation required; no opening valves one day, wondering if you are right, and closing them again the next, thinking you are wrong.

Another point, all the ducks out of your machine have lived, not one dead from all three broods. When the people come to know what your machine is in practical hands for that tells, false claims and big advertisements will not mislead so many.

Wishing you more and more success, I am, Truly yours, WM. WEBER.

My GUARANTEE is that, where the Cyphers is run with another of different make, it shall in three or more hatches bring out a larger average percentage of the fertile eggs, in good, healthy chicks or ducklings.

CHAS. A. CYPHERS, 534 Moore St., Philadelphia, Pa.

NIXON'S WHITE WYANDOTTES

are right in line for the Fall and Winter shows. He has the finest lot of chicks he ever raised and can please the most particular, either in exhibition or breeding stock, bred from his Madison Square Garden winners. Write at once for prices. Circular free. CHAS. NIXON, Box C, Washington, N. J.

CLASSIFIED ADVERTISEMENTS

Fully prepaid advertisements of five lines or less inserted under this heading at the following rates:

One time	$ .50
Three times	1.00
Six times	2.00
One year	3.50

Copy may be changed as often as desired, though we advise running a standard ad. when possible, in order that buyers may become acquainted with it. Length of ad. is not limited, but each line or part of line in excess of five will be charged for at the rate of 8 cents for one month, 20 cents for three months, 35 cents for six months and 65 cents for one year. Space may be estimated at the rate of seven words to the line, counting each number and initial as a word.

PLYMOUTH ROCKS

BARRED PLYMOUTH ROCKS—Our stock has been noted for years for its deep, rich, clear, zebra barring, so beautiful in the show room, and much sought after for the breeding yard; and we have youngsters coming on of rare beauty in great profusion. Prices to suit all. F. J. MARSHALL, Middletown, Ohio.

WILSON'S FIRST PRIZE WINNING BUFF PLYMOUTH ROCKS. World's Fair, '93; Troy, N. Y., '94; New York, '95. At the recent New York Show won 1st, 2d and 4th cock; 1st, 3d and 4th hen; 1st and 3d cockerel, and 3d and 5th pullet. Eggs, $5.00 per 13; discount on two or more sittings. J. D. WILSON, Box 127 C, Worcester, N. Y.

FREDERICK E. COLEMAN, Box 22 A, Manchester Green, Conn., breeder Barred Plymouth Rocks. Eggs and chicks for sale. The Feather one year free with every $2.00 order. Mention The Feather and send for free circular.

BUFF PLYMOUTH ROCKS EXCLUSIVELY Winners at Chicago. Clean sweep at Jackson, Kalamazoo and Grand Rapids, Mich. Also 1st on Buff Plymouth Rock pullet at Washington. Choice breeding birds at all times. Eggs from the best. Mention The Feather. G. W. HAMM, Battle Creek, Mich.

BUFF P. ROCKS—If you want stock that is sure prize winners, try my eggs, $2.00 per 13; $4.00 per 30. No better in the United States. Insure good hatch. Square dealing. JAS. S. WARNE, Washington, N. J.

PURE BUFF PLYMOUTH ROCK cockerels, $1.00 each; one-year-old cocks, $2.00 each. M. E. COOKE, Sandwich, Mass.

PROOFS OF BREEDING furnished when desired, showing our Barred Plymouth Rocks to be from the best two breeders of America. Health and vigor gained by range on 1,000-acre farm until penned for breeding. Cockerels cheap if orders are booked early. HANOVER POULTRY YARDS, Richmond, Va.

BUFF PLYMOUTH ROCKS exclusively—I have 150 young birds and this season's breeders for sale. High-grade birds only. Best all-purpose fowl. My birds are buff to the skin. Write for prices and description. B. F. HUNTINGTON, Platteville, Wis.

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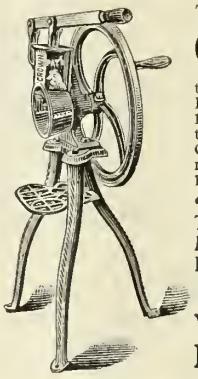
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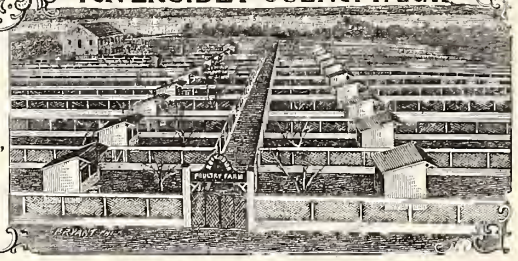
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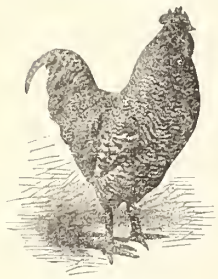
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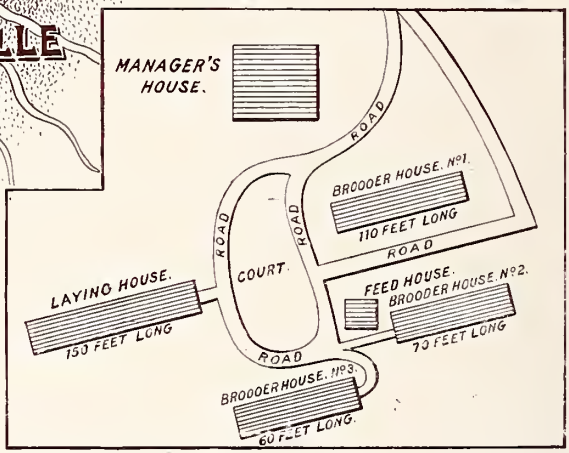
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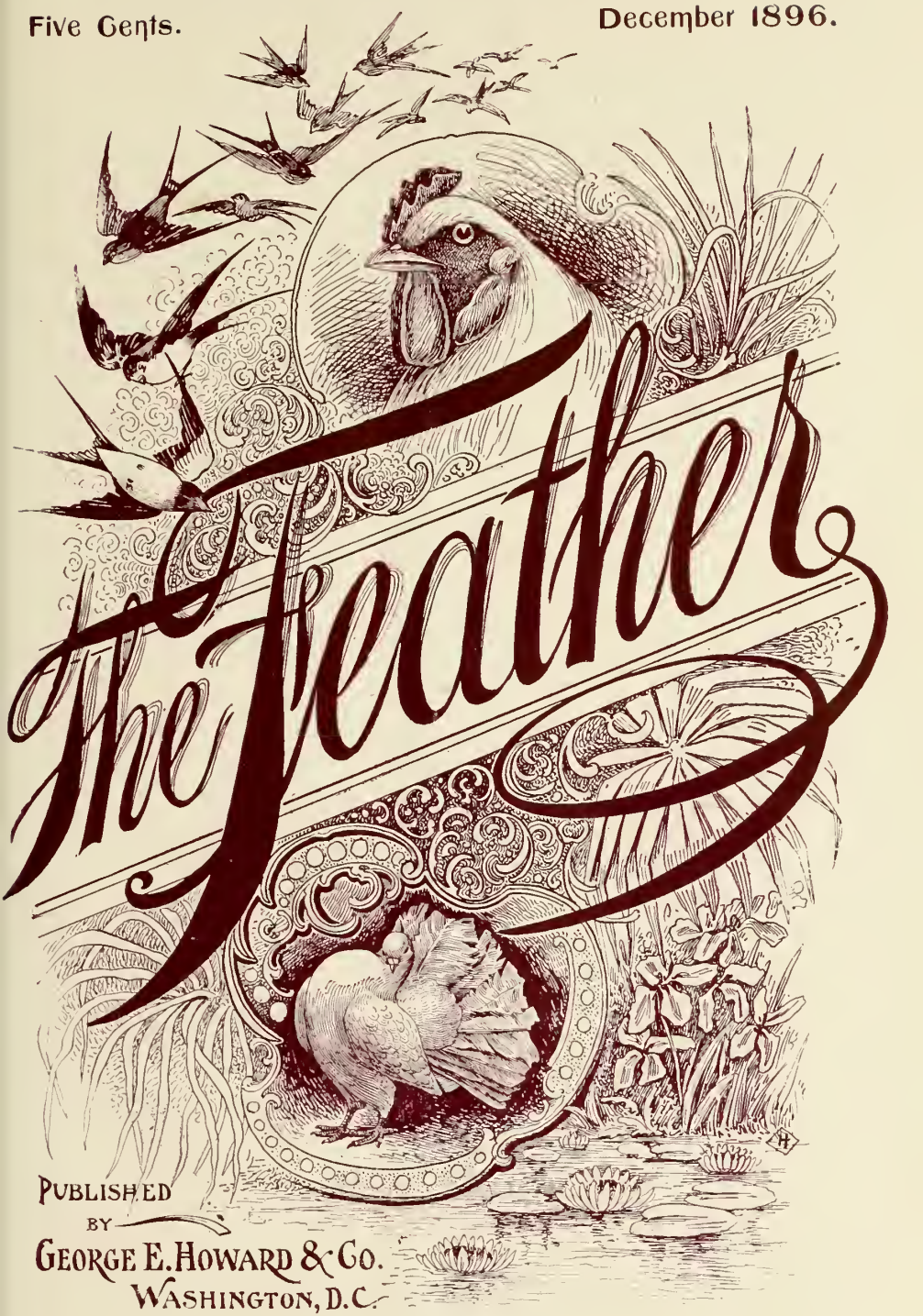
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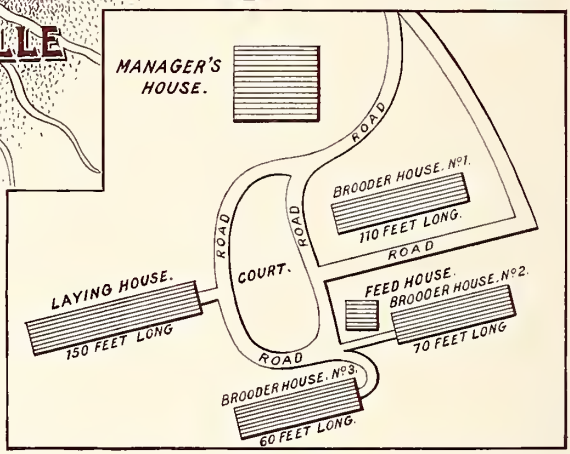


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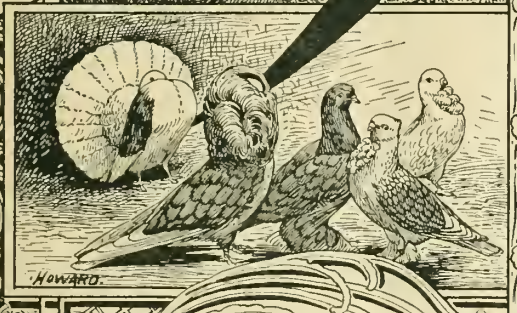
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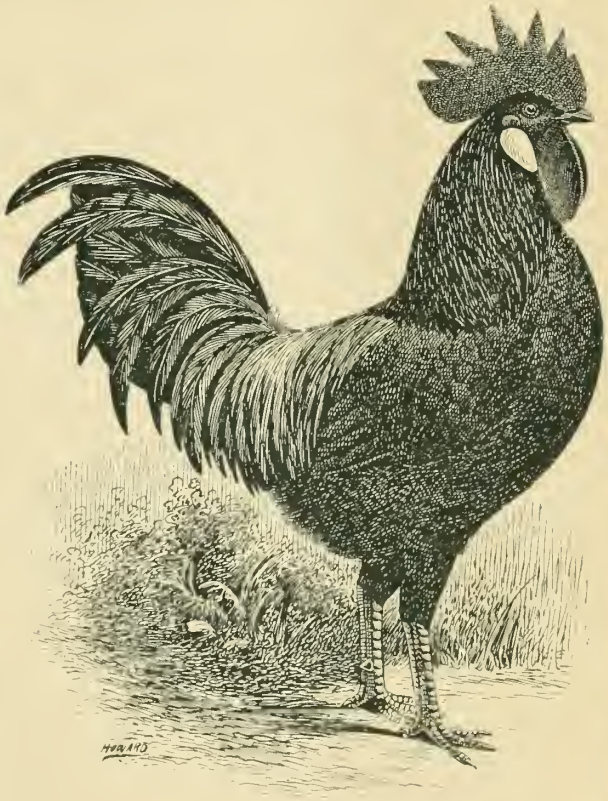
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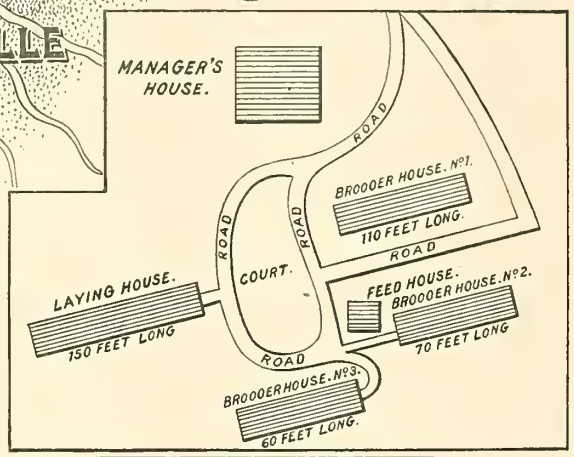


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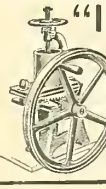
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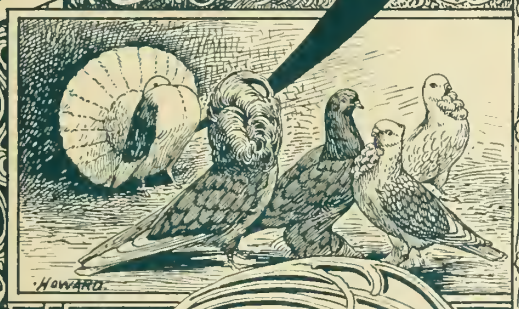
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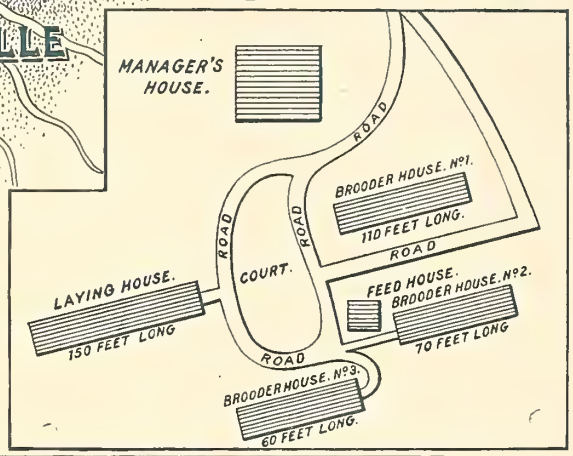


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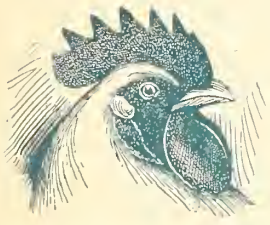
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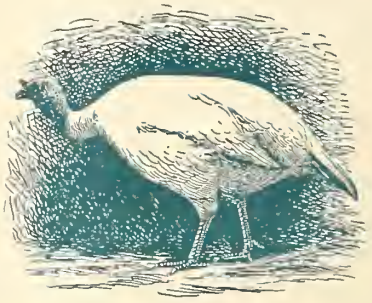
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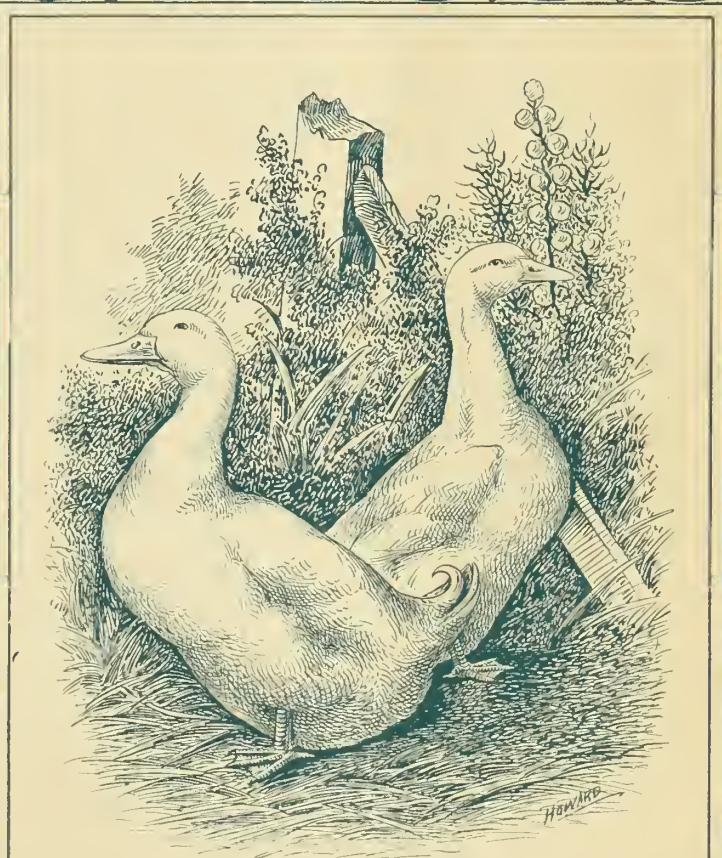
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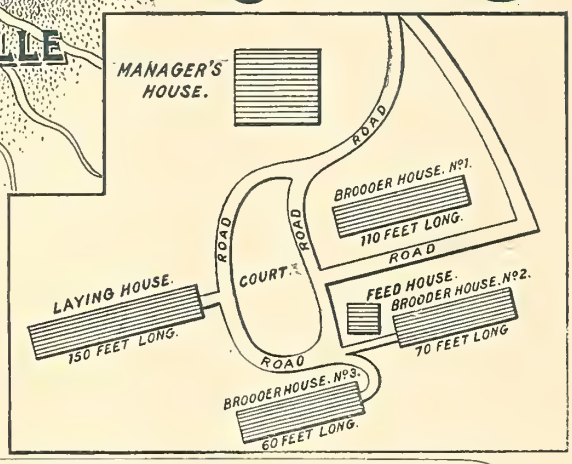


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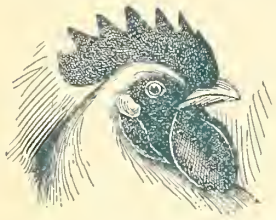
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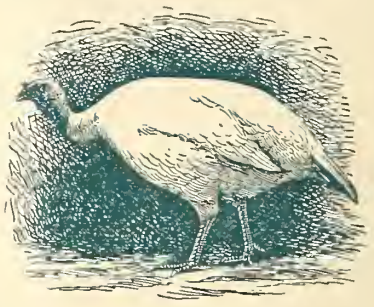
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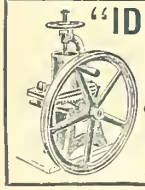
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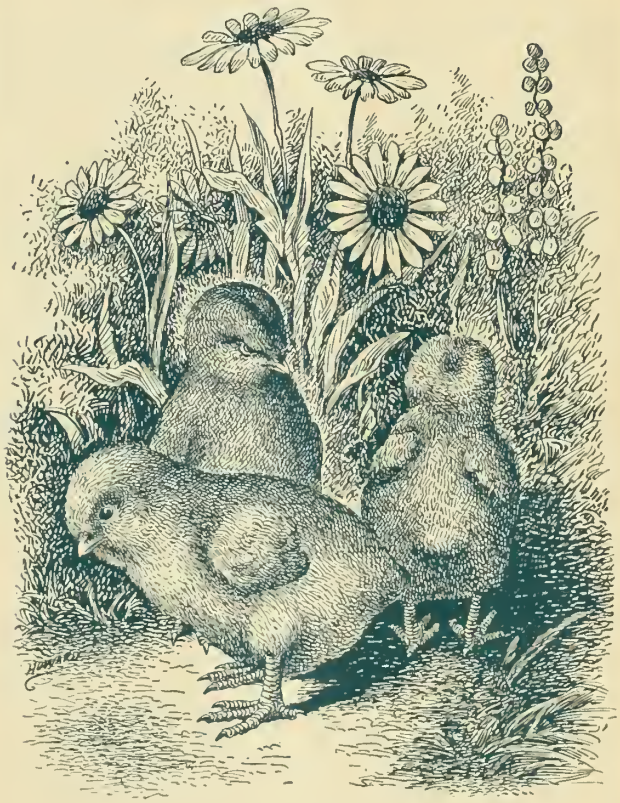
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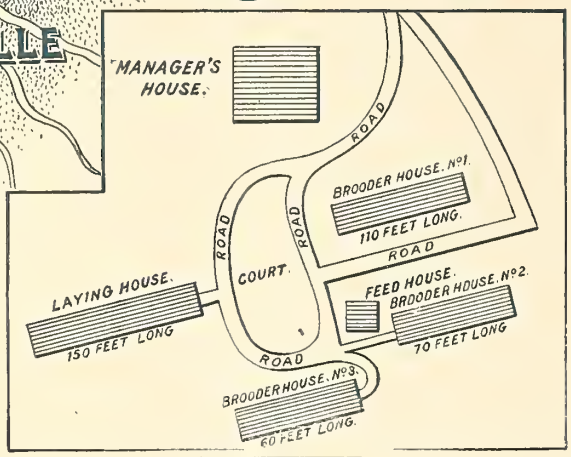


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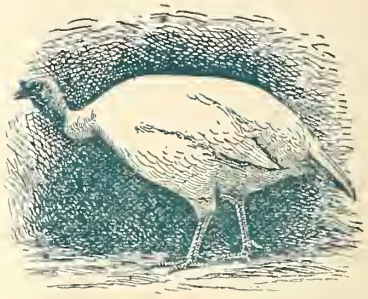
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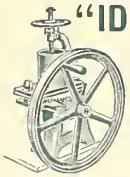
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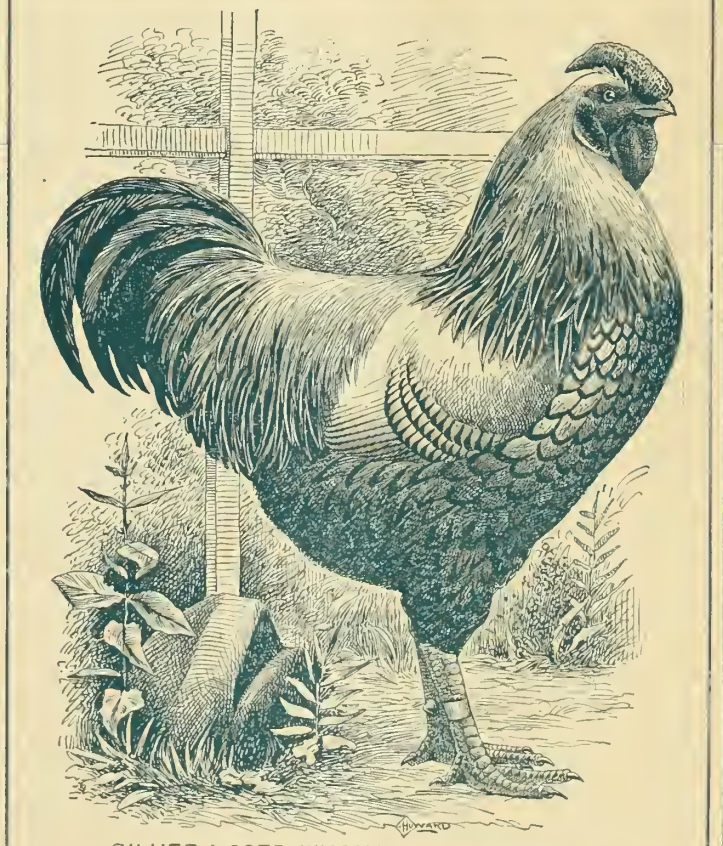
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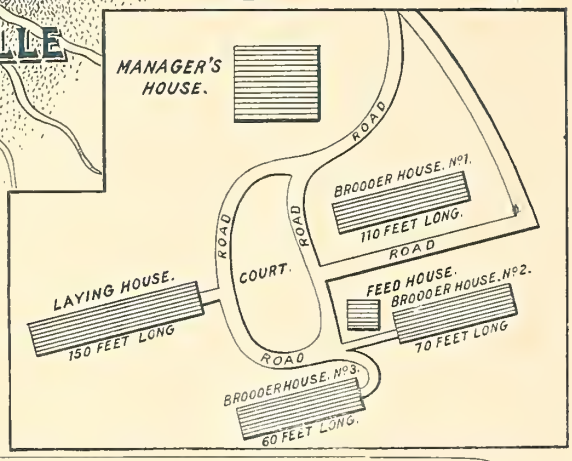


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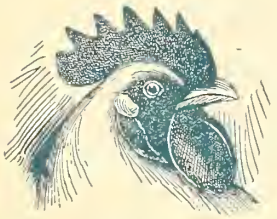
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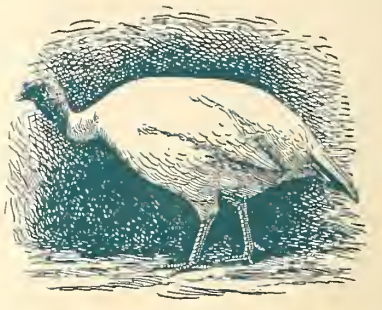
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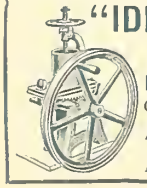
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Five Cents. JUNE, 1897. Vol. II. No. 9.

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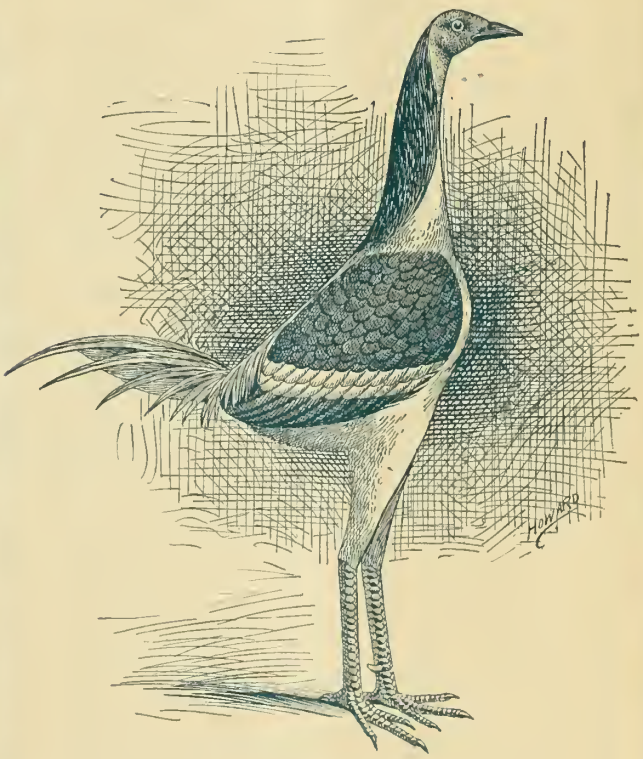
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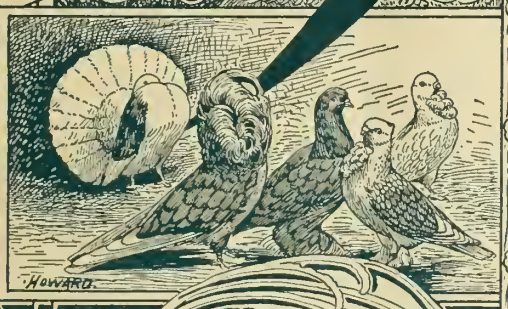
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Five Cents. AUGUST, 1897. Vol. II. No. 11.

The Feather





This Number

CONTAINS

"Beginning With Poultry,"

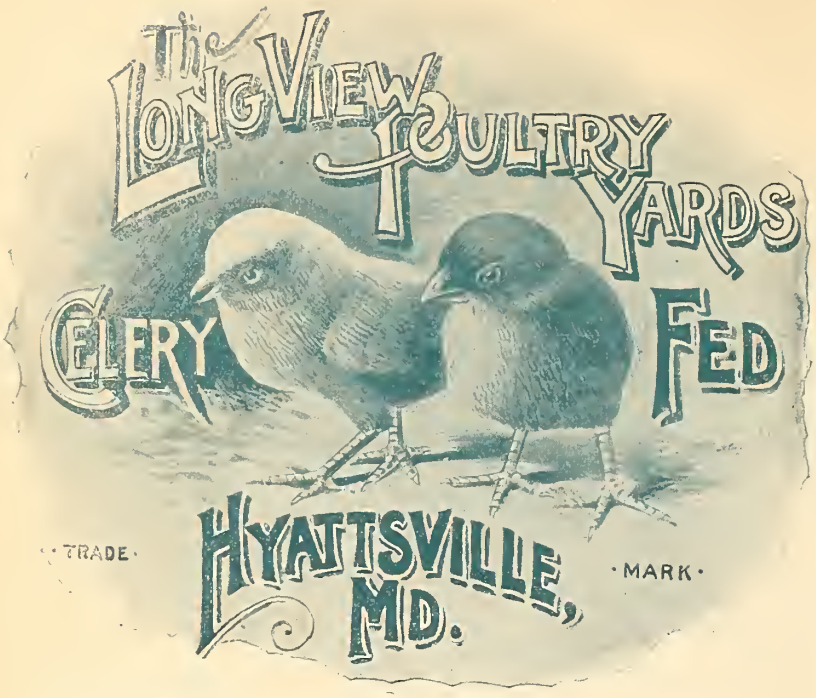
BY T. F. McGREW.

Next month James Rankin will contribute a specially-prepared article on "Duck Raising," which will be profusely illustrated. A complete illustrated description of George H. Pollard's mammoth plant will also appear.

Mrs. Nellie Hawks, Fred. B. Cochran, George H. Pollard, A. J. Hallock, J. F. Crangle, J. C. Long, Philander Williams, Dr. D. E. Salmon, Chas. McClave, Wm. J. Salter, and others will contribute during the coming year.

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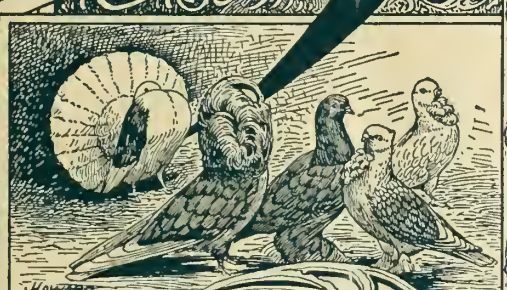
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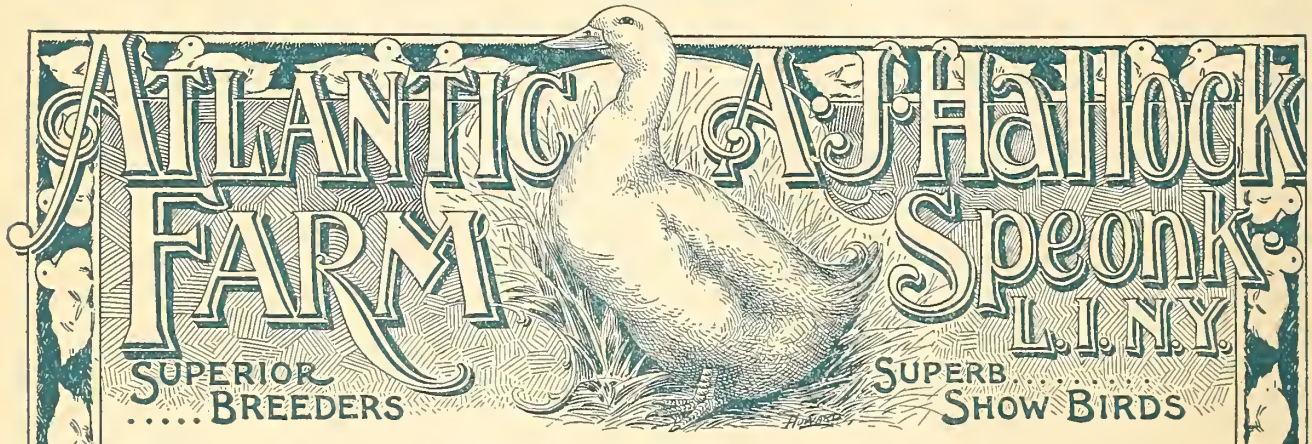
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